

Aviation Safety Reporting System Database Fields

TIME	
Date	Q1
1 – yyyyymm_____	
Local Time of Day	Q1
9 - 0001 - 0600 10 - 0601 - 1200 11 - 1201 - 1800 12 - 1801 - 2400 5533 - ZZZ	

PLACE	
Locale Reference	Q1
13 - Airport (ID) _____ 15 - NAVAID (ID & Type) _____ 14 - Intersection (ID) _____ 17 - ATC Facility (ID & Type) _____	
State Reference	Q1
18 - State _____	
Relative Position	Q1
33 - Radial _____ 34 - Distance.Nautical Miles _____	
Altitude	Q1
36 – AGL.Single Value _____ 39 – MSL.Single Value _____	

Aviation Safety Reporting System
Database Fields

ENVIRONMENT	
Flight Conditions	
	50 - VMC 51 - IMC 52 - Mixed 53 - Marginal
Weather Elements / Visibility	
	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)
Work Environment Factors	
	5005 - Poor Lighting 5006 - Glare 5007 - Temperature - Extreme 5008 - Excessive Humidity
Light	
	75 - Dawn 76 - Daylight 77 - Dusk 78 - Night
Ceiling	
	82 - CLR 79 – Single Value _____
RVR	

Aviation Safety Reporting System Database Fields

AIRCRAFT	
ATC/Advisory	Q
118 - FSS _____ 110 - Center _____ 120 - CTAF _____ 5032 - Ground _____ 116 - Military Facility _____ 5033 - Ramp _____ 114 - Tower _____ 112 - TRACON _____ 122 - UNICOM _____	
Aircraft Operator	Q1
5034 - Air Carrier 5035 - Air Taxi 5036 - Corporate 5037 - Fractional 5038 - FBO 5039 - Government 5040 - Military 5041 - Personal 5042 - Other	
Flight Plan	Q1
200 - VFR 201 - IFR 202 - SVFR 203 - DVFR 204 - None	
Make Model	Q1
159 - Name _____	
Operating Under FAR Part	Q1
175 - Part 91 5044 - Part 103 176 - Part 119 177 - Part 121 178 - Part 125 179 - Part 129 180 - Part 135 5045 - Part 137 181 - Other _____	
Aircraft Letter Reference	Q1
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	

Aircraft Zone	
5043 - Aircraft Zone _____	
Crew Size	Q1
160 - Number of Crew _____	

Aviation Safety Reporting System Database Fields

AIRCRAFT	
Mission	Q1
210 - Aerobatics 211 - Agriculture 212 - Ambulance 213 - Banner Tow 215 - Ferry 216 - Carqo/Freight 217 - Passenger 218 - Photo Shoot 219 - Personal 220 - Refueling 222 - Skydiving 223 - Tactical 224 - Test Flight 225 - Traffic Watch 226 - Training 5046 - Utility 227 - Other _____	
Flight Phase	
5048- Taxi 5049 - Parked 5050 - Takeoff 5051 - Initial Climb 5052 - Climb 5053 - Cruise 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 Or FMC
244 - GPS
245 - INS
241 - Localizer / Glideslope / ILS _____
247 - NDB _____
249 - VOR/VORTAC _____

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

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COMPONENT	
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	

Aviation Safety Reporting System
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PERSON	
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 _____	
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 5114 - Contracted Service 5115 - Corporate 5116 - Fractional 5117 - FBO 5118 - Government 5119 - Military 5120 - Personal 5121 - Other _____	
ASRS Report Number	Q1
750 - Accession Number _____	

Aviation Safety Reporting System Database Fields

PERSON	
Function.Flight Crew	Q1
652 - Captain 5131 - Check Pilot 653 - First Officer 655 - Flight Engineer/Second Officer 5132 - Instructor 606 - Pilot Flying 607 - Pilot Not Flying 654 - Relief Pilot 651 - Single Pilot 5133 - Trainee 5134 - Other / Unknown	
Qualification.Flight Crew	Q1
700 - Student 5150 - Sport/Recreational 701 - Private 704 - Commercial 705 - Air Transport Pilot (ATP) 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 _____	

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 (mon) _____ 735 - Time Certified in Pos 1 (yrs) _____	

Aviation Safety Reporting System Database Fields

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

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

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PERSON	
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 _____	

Aviation Safety Reporting System Database Fields

PERSON	
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	

Communication Breakdown	
Between:	And:
<input type="checkbox"/> ATC	<input type="checkbox"/> ATC
<input type="checkbox"/> Dispatch	<input type="checkbox"/> Dispatch
<input type="checkbox"/> Flight Attendant	<input type="checkbox"/> Flight Attendant
<input type="checkbox"/> Flight Crew	<input type="checkbox"/> Flight Crew
<input type="checkbox"/> Ground Personnel	<input type="checkbox"/> Ground Personnel
<input type="checkbox"/> Maintenance	<input type="checkbox"/> Maintenance
<input type="checkbox"/> Other	<input type="checkbox"/> Other

PERSON	
Callback	Q1
761 - Attempted 760 - Completed	

Aviation Safety Reporting System Database Fields

Events	
Anomaly.Aircraft Equipment	Q1
801 - Critical 802 - Less Severe	
Anomaly.Airspace Violation	Q1
5197 - All Types	
Anomaly.ATC Issues	Q1
5198 - All Types	
Anomaly.Flight Deck/Cabin/Aircraft Event	Q1
879 - Illness 881 - Passenger Electronic Device 878 - Passenger Misconduct 899 - Smoke/Fire/Fumes/Odor 5199 - Other / Unknown	
Anomaly.Conflict	Q1
852 - NMAC 5200 - Airborne Conflict 854 - Ground Conflict, Critical 853 - Ground Conflict, Less Severe	
Anomaly.Deviation - Altitude	Q1
812 - Crossing Restriction Not Met 811 - Excursion from Assigned Altitude 809 - Overshoot 810 - Undershoot	
Anomaly.Deviation - Speed	Q1
5201 - All Types	
Anomaly.Deviation - Track/Heading	Q1
5202 - All Types	
Anomaly.Deviation - Procedural	Q1
890 - Clearance 892 - FAR 900 - Hazardous Material Violation 817 - Landing without Clearance 5203 - Maintenance 5204 - MEL 893 - Published Material/Policy 5205 - Security 5206 - Weight and Balance 5207 - Other / Unknown	
Anomaly.Ground Excursion	Q1
813 - Ramp 814 - Runway 815 - Taxiway	
Anomaly.Ground Incursion	Q1
818 - Runway 816 - Taxiway	

Anomaly.Ground Event/Encounter	Q1
5208 - Aircraft 820 - FOD 824 - Gear Up Landing 5209 - Ground Strike – Aircraft 5210 - Loss of Aircraft Control 5211 - Object 821 - Person/Animal/Bird 822 - Vehicle 5212 - Other / Unknown	
Anomaly.Inflight Event/Encounter	Q1
804 - CFTT/CFIT 5213 - Fuel Issue 5214 - Loss of Aircraft Control 5215 - Object 5216 - Bird / Animal 897 - Unstabilized Approach 860 - VFR in IMC 858 - Wake Vortex Encounter 859 - Weather / Turbulence 5329 - Other / Unknown	
Anomaly.No Specific Anomaly Occurred	Q1
5218 - All Types	
Anomaly.Other	Q1
901 - Write-in	

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Events	
Detector	Q1
Automation 5221- Aircraft RA 5222 - Aircraft TA 5223 - Aircraft Terrain Warning 5224 - Aircraft Other Automation 5226 - Air Traffic Control Person 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 5331 – Other Person	
When Detected	Q1
5235 - Routine inspection 5236 - In-flight 5237 - Taxi 5238 - Aircraft in service at gate 5239 - Pre-flight 5240 - Other _____	
Miss Distance	Q1
991 - Horizontal _____ 990 - Vertical _____	
Were Passengers Involved in the Event	Q1
5219 - Y or 5220 - N	

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Events	
Result. General	Q1
5238 – Declared Emergency 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	
Result. Flight Crew	Q1
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 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 5265 - Took Evasive Action	
Result. Air Traffic Control	Q1
5266 - Provided Assistance 5267 - Issued Advisory/Alert 5268 - Issued New Clearance 5269 - Separated Traffic	
Result. Aircraft	Q1
5270 - Aircraft Damaged 5271 - Automation Overrode Flight Crew 5272 - Equipment Problem Dissipated	

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Assessments	
Contributing Factors / Situations	Q1
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 5287 - Staffing 5288 - Weather	
Primary Problem	Q1
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 5298 - Incorrect / Not Installed / Unavailable Part 5299 - Logbook Entry 5300 - Manuals 5301 - MEL 5302 - Procedure 5303 - Staffing 5304 - Weather 5305 - Ambiguous	