

Aviation Safety Reporting System  
Database Fields

<b>TIME</b>	
<b>Date</b>	<b>Q1</b>
1 - yyyyymm	
<b>Local Time of Day</b>	<b>Q1</b>
9 - 0001 - 0600	
10 - 0601 - 1200	
11 - 1201 - 1800	
12 - 1801 - 2400	
5533 - ZZZ	

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

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<b>ENVIRONMENT</b>	
<b>Flight Conditions</b>	Q1
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	
<b>Light</b>	Q1
75 - Dawn 76 - Daylight 77 - Dusk 78 - Night	
<b>Ceiling</b>	Q1
82 - CLR 79 – Single Value _____	
<b>RVR</b>	

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<b>AIRCRAFT</b>	
<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 5036 - Corporate 5037 - Fractional 5038 - FBO 5039 - Government 5040 - Military 5041 - Personal 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 103 176 - Part 119 177 - Part 121 178 - Part 125 179 - Part 129 180 - Part 135 5045 - Part 137 181 - Other _____	
<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>Aircraft Zone</b>	
5043 - Aircraft Zone _____	
<b>Crew Size</b>	<b>Q1</b>
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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<b>AIRCRAFT</b>	
<b>Airspace</b>	
380 - Class A _____	
382 - Class B _____	
384 - Class C _____	
386 - Class D _____	
388 - Class E _____	
390 - Class G _____	
392 - Special Use _____	
394 - TFR _____	
<b>Maintenance Status</b>	
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	
<b>Maintenance Items Involved</b>	
5067 - Inspection	
5068 – Installation	
5069 – Repair	
5070 – Testing	
5071 – Work Cards	
<b>Cabin Lighting</b>	
425 – High	
426 – Medium	
5072 – Low	
427 – Off	
<b>Number of Seats</b>	
430 - Number _____	
<b>Passengers on Board</b>	
431 - Number _____	
<b>Crew Size Flight Attendant</b>	
5073 – Number Of Crew _____	

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

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

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<b>PERSON</b>	
<b>Function.Flight Crew</b>	<b>Q1</b>
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	
<b>Qualification.Flight Crew</b>	<b>Q1</b>
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	
<b>Experience.Flight Crew</b>	<b>Q1</b>
746 - Total _____	
748 - Last 90 Days _____	
747 - Type _____	

<b>Function.Air Traffic Control</b>	<b>Q1</b>
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	
<b>Qualification.Air Traffic Control</b>	
5145 - Fully Certified	
712 - Developmental	
<b>Experience.Air Traffic Control</b>	
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)____	



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<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	

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

## Aviation Safety Reporting System Database Fields

<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	

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

<b>PERSON</b>	
Callback	Q1
761 - Attempted	
760 - Completed	

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<b>Events</b>	
<b>Anomaly.Aircraft Equipment</b>	<b>Q1</b>
801 - <b>Critical</b> 802 - Less Severe	
<b>Anomaly.Airspace Violation</b>	<b>Q1</b>
5197 - All Types	
<b>Anomaly.ATC Issues</b>	<b>Q1</b>
5198 - All Types	
<b>Anomaly.Flight Deck/Cabin/Aircraft Event</b>	<b>Q1</b>
879 - Illness 881 - Passenger Electronic Device 878 - Passenger Misconduct 899 - Smoke/Fire/Fumes/Odor 5199 - Other / Unknown	
<b>Anomaly.Conflict</b>	<b>Q1</b>
852 - <b>NMAC</b> 5200 - Airborne Conflict 854 - <b>Ground Conflict, Critical</b> 853 - Ground Conflict, Less Severe	
<b>Anomaly.Deviation - Altitude</b>	<b>Q1</b>
812 - Crossing Restriction Not Met 811 - Excursion from Assigned Altitude 809 - Overshoot 810 - Undershoot	
<b>Anomaly.Deviation - Speed</b>	<b>Q1</b>
5201 - All Types	
<b>Anomaly.Deviation - Track/Heading</b>	<b>Q1</b>
5202 - All Types	
<b>Anomaly.Deviation - Procedural</b>	<b>Q1</b>
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	
<b>Anomaly.Ground Excursion</b>	<b>Q1</b>
813 - Ramp 814 - Runway 815 - Taxiway	
<b>Anomaly.Ground Incursion</b>	<b>Q1</b>
818 - Runway 816 - Taxiway	

<b>Anomaly.Ground Event/Encounter</b>	<b>Q1</b>
5208 - Aircraft 820 - FOD 824 - Gear Up Landing 5209 - Ground Strike - Aircraft 5210 - <b>Loss of Aircraft Control</b> 5211 - Object 821 - Person/Animal/Bird 822 - Vehicle 5212 - Other / Unknown	
<b>Anomaly.Inflight Event/Encounter</b>	<b>Q1</b>
804 - <b>CFTT/CFIT</b> 5213 - Fuel Issue 5214 - <b>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>	<b>Q1</b>
5218 - All Types	
<b>Anomaly.Other</b>	<b>Q1</b>
901 - Write-in	

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

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<b>Events</b>	
<b>Result. General</b>	<b>Q1</b>
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	
<b>Result. Flight Crew</b>	<b>Q1</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	
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	
<b>Result. Air Traffic Control</b>	<b>Q1</b>
5266 - Provided Assistance	
5267 - Issued Advisory/Alert	
5268 - Issued New Clearance	
5269 - Separated Traffic	
<b>Result. Aircraft</b>	<b>Q1</b>
5270 - Aircraft Damaged	
5271 - Automation Overrode Flight Crew	
5272 - Equipment Problem Dissipated	

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<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	
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	
5298 - Incorrect / Not Installed / Unavailable Part	
5299 - Logbook Entry	
5300 - Manuals	
5301 - MEL	
5302 - Procedure	
5303 - Staffing	
5304 - Weather	
5305 - Ambiguous	