

Southern Region Runway Safety Program Annual Report - FY09

Runway Incursion – The FAA adopted ICAO’s definition, effective 10/01/07: “Any occurrences at an aerodrome involving the incorrect presence of an aircraft, vehicle, or person on the protected area of a surface designated for the landing and takeoff of aircraft”.

Runway Incursions - FY-09			Runway Incursions - FY-08		
LOB	Type	Total	LOB	Type	Total
ATO	Operational Errors	29	ATO	Operational Errors	33
FS	Pilot Deviations	106	FS	Pilot Deviations	128
ARP	Veh/Ped Deviations**	33**	ARP	Veh/Ped Deviations	31
Total		168	Total		192

**** Six of the 33 Veh/Ped Deviations were caused by Certificated Maintenance Technicians and investigated by Flight Standards. These 6 RIs do not count against ARP totals, but fall under Flight Standards.**

12% DECREASE in Operational Errors
17% DECREASE in Pilot Deviations
6% INCREASE in Vehicle Pedestrian Deviations

13% DECREASE OVERALL IN TOTAL NUMBER OF RIs

FY09 and FY08 Comparison of Regions’ Runway Incursions

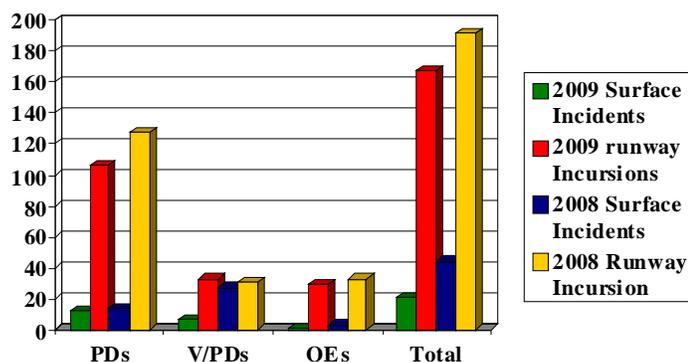
FY09 Vs FY08

FY 2009				
REGION	OE/D	PD	VPD	TOTAL
AAL	3	19	12	34
ACE	2	11	6	19
AEA	23	48	21	92
AGL	27	82	40	149
ANE	5	16	4	25
ANM	10	71	19	100
ASO	29	106	33	168
ASW	25	74	28	127
AWP	29	172	36	237
TOTAL	153	599	199	951

FY 2008				
REGION	OE/D	PD	VPD	TOTAL
AAL		19	14	33
ACE		25	4	29
AEA	31	53	22	106
AGL	30	95	35	160
ANE	5	37	8	50
ANM	10	66	20	96
ASO	33	128	31	192
ASW	22	67	30	119
AWP	33	147	44	224
TOTAL	164	637	208	1009

Nationally - 06% decrease in RI for FY09 from FY08.

Surface Incidents/Runway Incursions 2009 Vs 2008



Surface Incidents	13	07	01	21
Runway Incursions	106	33	29	168
Surface Incidents	14	27	03	44
Runway Incursions	128	31	33	192

FY09 Vs FY08 Comparison of Regions' Runway Incursion Categories

Runway Incursions Severity Ranking

National Goal FY09 A+B = 0.472 rate

REG	A	B	C	D	E	TOTAL
AAL			10	24		34
ACE			2	17		19
AEA			36	56		92
AGL	1		55	93		149
ANE			12	13		25
ANM	1	1	38	60		100
ASO	5	1	65	96	1	168
ASW		1	46	80		127
AWP	2		79	156		237
TOTAL	9	3	343	595	1	951

Runway Incursions Severity Ranking

National Goal FY08 A+B = 0.509 rate

REG	A	B	C	D	TOT
AAL			4	29	33
ACE			8	21	29
AEA	2	5	46	53	106
AGL	2	2	64	92	160
ANE			17	33	50
ANM			40	56	96
ASO	3	2	76	111	192
ASW	1		47	71	119
AWP	4	4	89	127	224
TOT	12	13	391	593	1009

Runway Incursion Severity Classification

Category	Description
A	A serious incident in which a collision was narrowly avoided
B	Separation decreases, and there's significant potential for collision; critical corrective/evasive actions taken
C	Incident characterized by ample time and/or distance to avoid a collision
D	An incident that meets the definition of a runway incursion
E	An incident in which insufficient or conflicting evidence of the event precludes assigning another category

ASO FY09 and FY08 Comparison of RI Categories

RI Category/Type - FY09

CAT	OE	PD	VPD	TTL
*A	2	3		5
*B		1		1
C	18	34	13	65
D	9	68	19	96
TTL	29	106	33	168

RI Category/Type - FY08

CAT	OE	PD	VPD	TTL
*A		3		3
*B	1	1		2
C	28	39	9	76
D	4	85	22	111
TTL	33	128	31	192

* 20% increase in category A/B RI totals for FY09 vs FY08

FY09 and FY08 Comparison of the 5 Larger Regions' RI Rates

2009 RI Rates Per 100K (thru 9/30)

FY09

Regions	OPS	RIs	Rate
AEA	6,482,588	92	1.42
AGL	6,987,184	149	2.13
ASO	11,526,217	168	1.46
ASW	6,837,824	127	1.86
AWP	11,368,021	237	2.08

2008 RI Rates Per 100K (thru 9/30)

FY08

Regions	OPS	RIs	Rate
AEA	7,008,654	106	1.51
AGL	7,593,943	160	2.11
ASO	13,004,104	192	1.48
ASW	7,460,035	119	1.60
AWP	13,170,696	224	1.70

FY09 Major Initiatives and Accomplishments

To further enhance runway safety awareness and familiarization:

- **Developed and distributed 150+ Runway Safety Toolbox updates to include**
 - 10 category A/B RI animation scenarios
 - RWS information – sites specific, stats and trend updates
 - RWS Safety Management Systems (SMS) powerpoint
 - 2008 Runway Safety Report
- **Developed and distributed Student Pilots and Aviation Maintenance Mechanics taxiing posters**
- **Developed and distributed Driving on Airport Brochure**
- **Participated in Runway Safety Broadcasts from FAA Production Studios**
- **Provided Runway Safety training of all RVA Federal Contract Tower Managers**
- **Conducted Runway Safety Seminars at Air Traffic Collegiate Training Initiative (AT-CTI) Schools**
- **Participated in Regional and National Outreach Programs; i.e. NBAA and AOPA Conventions, AAAE workshops, Sun N Fun and Caribbean Fly-Ins.**

Other Initiatives - Ongoing

- **Runway Safety Action Team Meetings/Regional/Local/Follow-ups - 17**
- **Safety Assessments/FCT site visits - 8**
- **Operations Rain Check, Safety Seminars, Pilot/Controller Forums, WINGS, and Ops Supervisor Workshops - 67**
- **Flight Training Schools Pilot Briefings - 20**
- **Flight Instructors Refresher Training (FIRC)/Certified Flight Instructors (CFIs) - 31**
- **Check Airmen/Designated Pilot Examiners workshops – 4**
- **Aviation Maintenance Technicians (AMTs) workshops - 4**
- **State Aviation Directors' Events – 3**
- **Outreach Programs - 8**