





The State of Runway Safety ICAO GRSS Montreal 24 – 26 May 2011

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	Number	% of all accidents	
Incursions	10 (0.7/year)	0.6%	
Excursions	417 (29.8/year)	29.0%	
Confusion	4 (0.3/year)	0.3%	
RWY related	431 (30.8/year)	30.0%	

Source: Flight Safety Foundation





	Fatal Accidents	Onboard fatalities
Incursions	5	129
Excursions	34	712
Confusion	2	132
Total Fatal	41	973

Source: Flight Safety Foundation



Runway Incursions



- Safety challenge
 Few accidents
 Numerous Incidents
- Frequently result from Controller/Pilot misunderstanding
- Can also be caused by ground vehicles and ground personnel

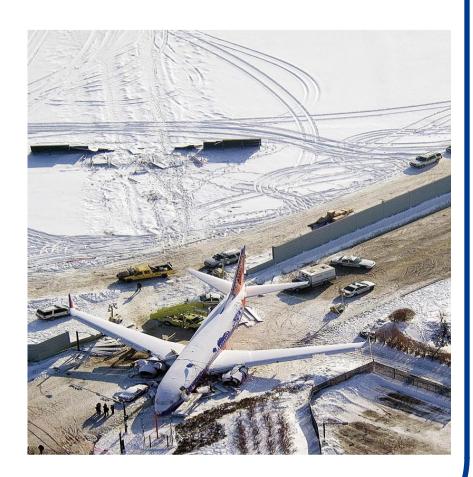




Runway Excursions



- Relatively more frequent
 than Incursions
- Veer-offs as well as overruns
- On take-off as well as landing
- Main focus of current work by ICAO, ACI, Eurocontrol, etc





Major issues for airport operations safety



- Runway incursion prevention
- Wildlife hazard prevention
- Airside driver and vehicle control
- Apron / ground handling safety
- Emergency Planning
- Rescue and fire fighting
- Low visibility / adverse weather ops
- Runway inspection / maintenance
- Runway end safety area
- Removal of disabled aircraft
- Airside construction works
- Obstacle control / NavAid protection







