



The State of Runway Safety

ICAO GRSS

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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

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



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



- 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

