

## **EUROCONTROL** Runway Incursion Data

2017 ICAO GRSS, Lima, Peru

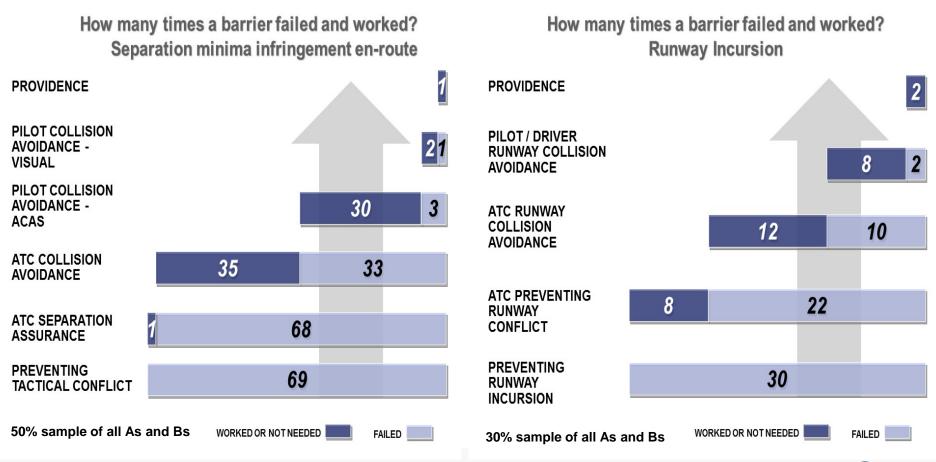
Tzvetomir BLAJEV
Operational Safety Coordinator
November 2017



## From 2017 Top 5 Prioritisation Study



#### Where do you think we are better protected – in the air or on the ground?

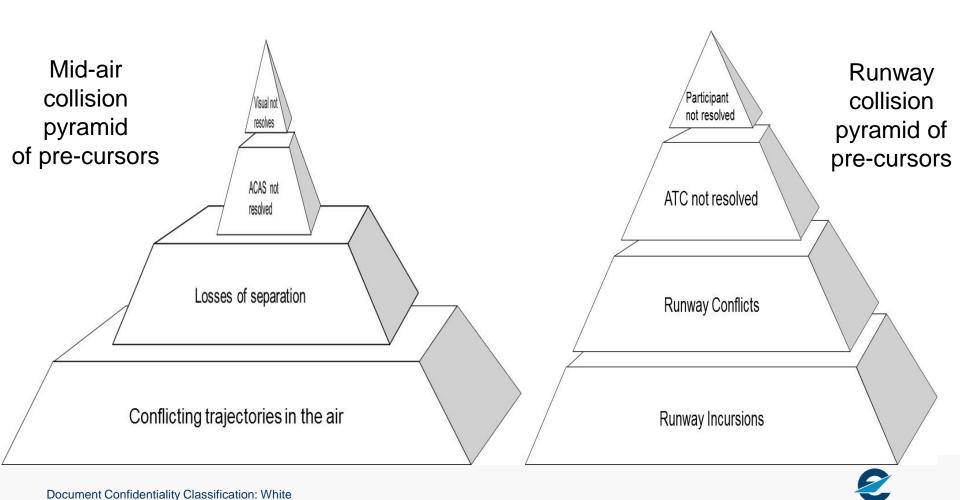




## From 2017 Top 5 Prioritisation Study



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#### Two dedicated studies in 2017



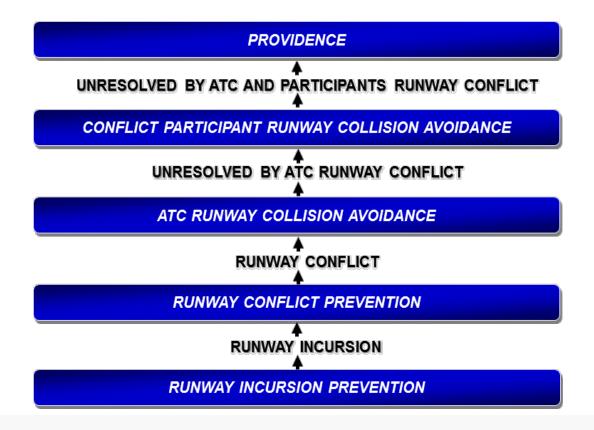
As part of European Action Plan for The Prevention of Runway Incursion (EAPPRI) Review

- ☐ European incidents 2013, 2014 and 2015
- ☐ Global events from 2006 to 2016



# Safety Functions Map (SAFMAP) Proce Network Manager nominated by the European Commission

Barrier model and analysis of what failed (Safety I) and the resilient barriers that stopped the event (Safety II). More than 100 barriers.

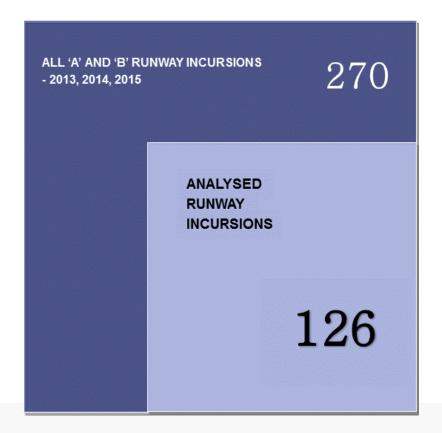




## **European Incidents Study**



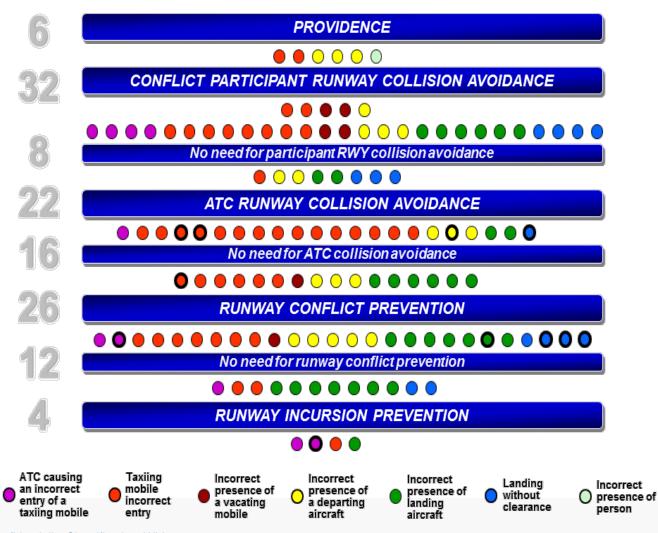
126 runway incursion incidents data sample for 2013, 2014 and 2015 - 47% from all 270 A and B severity runway incursion incidents that occurred in the period





# "Taxiing mobile incorrect entry" – the most frequent initiator







## **European Incidents Study**



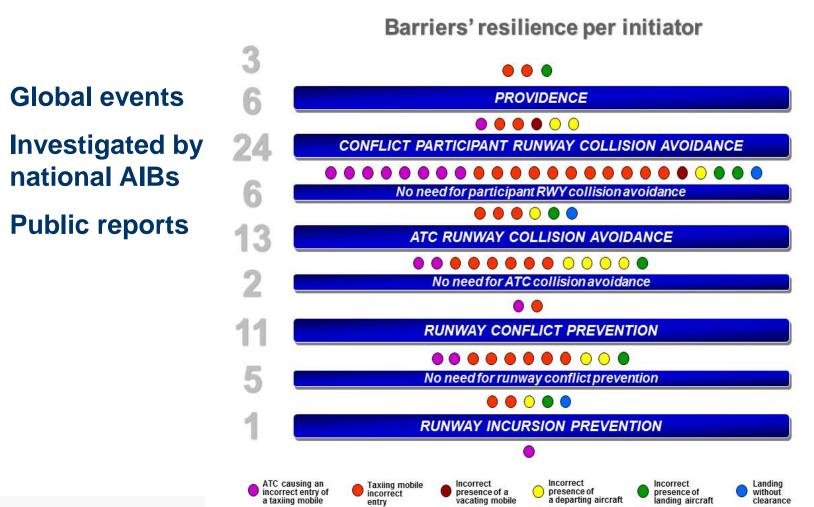
#### Two more key findings

- Out of 55 runway incursions there are 29 events where <u>stop bars</u> could have prevented the incidents
- □ The share of events involving use of **conditional clearance** is relatively low (8%) but the potential for a high severity outcome is considerable 40% of the events were stopped by the last two barriers.





71 accidents & serious incidents for 2006 - 2016







- □ Confirmed the Study 1 finding for stop bars 27 where stop bars could have prevented the incidents
- □ Two of Top 5 reconfirmed as a global concern:
  - □ "ATC not identifying occupied runway" 28 events (39%) and two 'saved' by 'Providence'.
  - □ "Sudden high- energy runway conflict" 20 events (28%) and predominantly 'saved' by the last barriers.

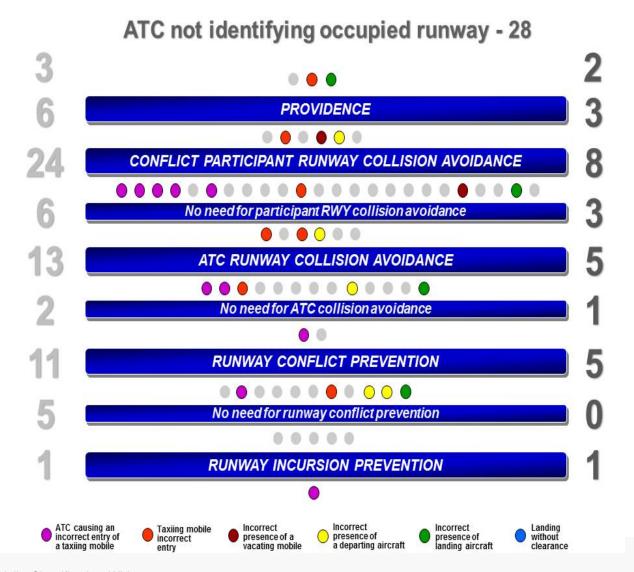














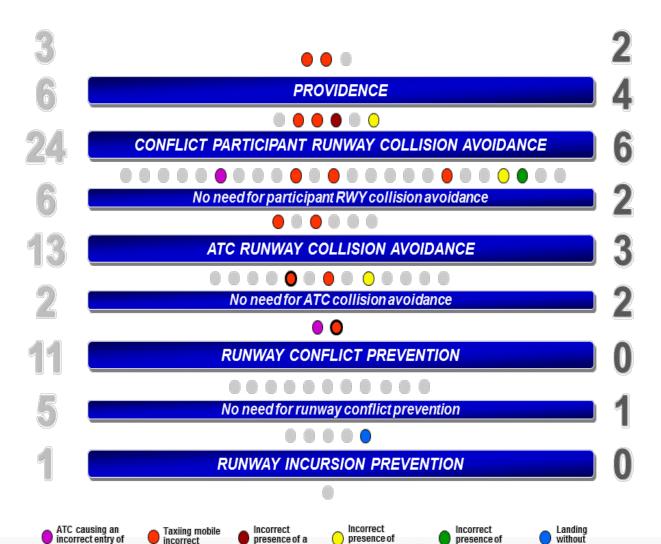








28% of the events during night time and 68% of them passed all barriers up to 'Conflict participant collision avoidance'



vacating mobile

a departing aircraft

landing aircraft



clearance

a taxiing mobile

entry



## More safety knowledge?



