



Runway Safety

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Most common issues in Runway Safety...

- ❖ Departing aircraft runway without ATC clearance
- ❖ Aircraft or vehicle crossing Runway without ATC clearance
- ❖ ATC runway occupancy due to misunderstanding or unfamiliarity with AD layout
- ❖ Read back/Hear back errors
- ❖ Unclear or insufficient visual aids
- ❖ ATCOs/Pilot non-adherence to applicable procedures
- ❖ Used of local language or Non-Standard Phraseology

Most common issues in Runway Safety.. **Continued ..**

- ❖ Aircraft FOD | Presence of FOD
- ❖ Infringement of ILS Critical or Sensitive areas
- ❖ Weather conditions | Rapid changes of visibility values
- ❖ Aerodrome layout complexity
- ❖ Traffic volume
- ❖ Similar Call sign
- ❖ Missing or inadequate Low Visibility Procedures

Most common issues in Runway Safety.. **Continued ..**

- ❖ Simultaneous Use of Intersecting Runways
- ❖ Multiple Simultaneous Line-ups.
- ❖ Workload Pilot /ATCOs
- ❖ Distraction

Possible mitigations of common issues in Runway Safety..

- ❖ Presence of ICAO standard Runway Markings and Taxiway Surface Markings and Signs
- ❖ Presence of ICAO standard Runway Lighting and Taxiway Lighting including the installation of Runway Status Lights (RWSL) and Runway Holding Point Lighting.

Possible mitigations of common issues in Runway Safety..

Continued ..

- ❖ Situation awareness
- ❖ Use of ICAO Standard Phraseology at all times to minimize any risk of clearance confusion.
- ❖ Maintenance of visual aids as required
- ❖ Daily Runway inspections and after unusual use of the runway

Possible mitigations of common issues in Runway Safety..

Continued ..

- ❖ ATC TWR Direct visual detection;
- ❖ Detection of conflicts using remote camera displays;
- ❖ Use of systematic reporting of pilot/driver positions;
- ❖ Implementation of Warning systems (e.g. A-SMGCS, magnetic loops or lasers).
- ❖ Mandate ATC Radio Communication for Vehicle Drivers.

Possible mitigations of common issues in Runway Safety..

Continued ..

❖ Runway Safety Committee(RSC)

- Enhance the operational safety on the aircraft maneuvering areas (Runways and Taxiways)
- Active participation of relevant Stakeholders to Runway Safety Committee.
- Acting in a positive and proactive manner .
- Building of safety culture among Staff involved in Airside activities.
- Review the Runway Operational procedures.

Possible mitigations of common issues in Runway Safety..

Continued ..

- Data collection, analysis and results dissemination.
- Provide recommendations to improve runway safety.
- Develop communications techniques that aim to improve exchange of information & lessons learned.
- Support the operational safety and the achievement of safety targets.
- Identify potential mitigations (e.g new technologies) that may reduce the risk of Runway incursion.

Possible mitigations of common issues in Runway Safety..

Continued ..

- Ensure that airside procedures are compliant with National Regulations and ICAO SARPs and Guidance material
- Conduct local awareness campaigns to develop and distribute the runway safety education training material to ATCO, Pilot and all Airside Staff / Users (e.g vehicles drivers, Handling Staff..etc)
- Communicate with High Management to receive adequate support and resources.

