## **IFALPA**



# Prevention of runway excursions

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GRSS 2017

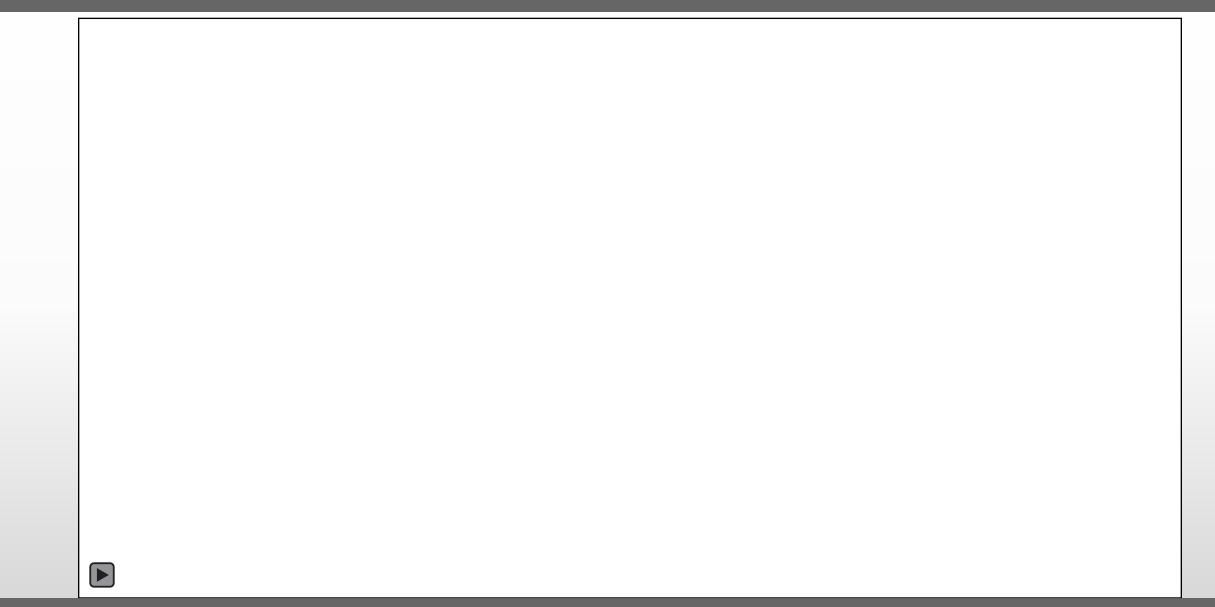
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# **Runway Excursions**

- ► FSF DATA shows that unstable approaches are primary cause of Runway Excursion.
  - ► GA Decision have multiple parameters and factors
    - Speed
    - Lateral deviation
    - Vertical deviation
    - ► Aircraft configuration



### Other factors

- ► PILOTS/ATC/AIRLINE
  - ► Unfamiliar with the airport
  - ► Fatige/FRMS
  - ▶ Operational Pressure
  - ► Fill in the Blanks
  - ▶ Not adecuate Airport/Airplane

- Regulator/AIRPORT
  - ► Lack of regulation
  - ▶ Not ICAO compliance
  - ▶ Vision
  - ► Safety Analysis
  - ► Airport Information



### **NEED for CHANGE**

**EVS** operations

A/T SPD LOC

#### 4. OPERATIONAL CREDITS

4.1 Aerodrome operating minima are expressed in terms of minimum visibility/RVR and MDA/H or DA/H. When aerodrome operating minima are established, the combined capability of the aeroplanes equipment and on-ground infrastructure should be taken into account. Better equipped aeroplanes may be able to operate into lower natural visibility conditions, lower DA/H and/or operate with less ground infrastructure. Operational credit means that the aerodrome operating minima may be reduced in case of suitably equipped aeroplanes. Another way to grant operational credit is to allow visibility requirements to be fulfilled, wholly or partly, by means of the on-board systems. HUD, automatic landing or vision systems, which were not available at the time when the criteria for aerodrome operating minima were originally established.



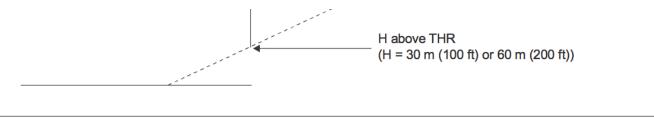




Figure H-1. EVS operations — transition from instrument to visual references



# Messures to prevent RE

- ► AIRLINES/PILOTS
  - ► NON Punitive Culture
    - Motivate the report culture
  - CREW Training
    - ▶ Up to date SOP's
    - Real senarios
    - ► CRM/Comunication
    - OPT
    - ► Integrate cultural elements
    - ► FRMS
  - Adecuate Fly planning
    - ▶ No airports code below aircraft code





# Messures to prevent RE

- ► ATC/STATES/AIRPORT
  - ► ICAO compliance
  - Adecuate infraestructure according to critical airplan
  - Adecuate and updated information to TO/LANDING aircraft
    - Wind, breaking action, etc.
  - ► LIMIT cross wind?





### IFALPA work, http://www.ifalpa.org/publications.html

#### Safety Bulleting

#### Title

Operations Bulletin 2015-02 - Opening of Runway at KORD.pdf

Letter - Safety of Civil Aircraft Operating in Baghdad, Damascus and Tehran FIRs.pdf

17SAB11 - Palermo (LICJ) Airport.pdf

17SAB10 - Principles and Best Practices in the High Seas Airspace.pdf

17SAB09 - Caution on use of Runway Status Lights in the US.pdf

17SAB08 - Runway Incursions at Toronto Airport.pdf

17SAB07 - Operations at Stockholm-Arlanda Airport.pdf

17SAB06 - Situational Awareness Arriving and Departing MMMX.pdf

17SAB05 - Changes to SID STAR Phraseology.pdf

17SAB04 - Large PEDs as Checked Baggage.pdf

17SAB03 - Operations in Somali Airspace.pdf

17SAB02 - Turnback Procedures in the NAT.pdf

17SAB01 - FAA Suspends OPD Arrivals for Atlanta International Airport.pdf

16SAB11 - Update on SID STAR Phraseology & Procedures.pdf

16SAB10 - Increased Utilization DataLink NAT.pdf

16SAB09 - Information on Charting of VSS Penetrations.pdf

16SAB08- Delay of NAT RLatSM Phase 2 Trial.pdf

16SAB07 - KZAK Oceanic ATC Operations.pdf

16SAB06- SID STAR Phraseology and Procedures.pdf

16SAB05 - Information for Travellers on Zika Virus.pdf

16SAB04 - High Altitude Operations of Unmanned Free Balloons.pdf

16SAB03 - Flying Fox Activity Safety Alert at Australian Airports.pdf

16SAB02 - Zika Virus and Aviation.pdf

15SAB019 - ATS Change Over Nicosia FIR.pdf

15SAB018 - Opening of Runway 10R-28L at KORD.pdf

15SAB017 - Safety of Civil Aircraft Operating in Baghdad, Damascus and Tehran FIRs.pdf

15SAB016 - (update) Safety of civil aircraft operating in the Simferopol FIR.pdf

#### Briefing Leaflets

Title	Link
Title  Runway Shortened Guidance in the US.pdf Runway Safety Manual 1.2.pdf  NAT OPS Bulletin 2015_003.pdf  IFALPA - Background paper for arrest checklist.pdf  2015 EUR OPS Bulletin.pdf  17SECBL01 - Cyber Threats.pdf  17HUPBL01 - Noise Protection.pdf  17ATSBL07 - Recommended Procedures in the AFI Region.pdf  17ATSBL06 - Phraseology.pdf  17AAPBL02 - Safety Management System Courses.pdf  17AAPBL01 - Access to CVR Data for Maintenance Purposes.pdf  16SECBL02 - Behavioural Detection as a Security Measure.pdf	Link  Download  Download
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15DGBL01 - Transport of lithium batteries as cargo.pdf 15ATSBL04 - NAT Operations Bulletin.pdf 15ATSBL03 - The RNAV Visual.pdf 15ATSBL02 - Cold Temperature Corrections.pdf 15ATSBL01 - When Ready vs At Pilots Discretion.pdf 15ADOBL01 - GBAS and GLS.pdf 14HUPBL01 - IFALPA Pilot Training Standards Manual.pdf 14DGBL01 - International shipments of lithium batteries.pdf 14ATSBL02 - AIC preferential RWY LLBG March-May 2014.pdf 14ATSBL01 - Wind information.pdf 14AGEBL01 - Runway Stop Bars - Sydney Airport (YSSY).pdf	Download



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