



ERA SAFETY TARGETED AWARENESS REPORTS (STARs)



An introduction to ERA's Safety Targeted Awareness Reports (STARs) – providing safety advice and information produced by ERA's Air Safety Group for ERA's members.

ERA's Safety Targeted Awareness Reports (STARs) provide invaluable safety information for members and are a key benefit of ERA membership. This document

provides background information on the STARs, including the various safety topics that are covered, who should use the reports and where to access them.

SUMMARY AND BACKGROUND

ERA's STAR reports are produced by ERA's Air Safety Group. The reports are based on safety information discussions undertaken during the course of meetings.

Each STAR is designed to provide pilots and/or operators with guidelines on specific safety-related

topics. It is important to note that the recommendations published within the STARs do not supersede or override any requirements or recommendations given by the appropriate regulatory authorities, aircraft manufacturers or airlines.

ERA AIR SAFETY GROUP

The ERA Air Safety Group is comprised of safety experts and/or representatives from ERA's airline, manufacturer and supplier members. The principal focus and objective of the Air Safety Group is to improve the safety of ERA members' operations and to provide an environment for members to share and discuss their safety experiences as well as learn about developments and trends in safety-related issues.

Some of the discussions at the Air Safety Group meetings cover specific topics that warrant further guidance or recommendations, and the purpose of the STARs is to share that information with the entire ERA membership.

TOPICS COVERED WITHIN THE STARs

Aviation safety covers an enormous range of topics, including both ground (airport operations, for example) and in-flight operations, crew procedures, weather and security. There are currently over 20 STARs in existence, with an additional two due to be published during 2017. Although not an exhaustive list, the published STARs discuss topics deemed important enough by the Air Safety Group to warrant publication.

RUNWAY AND GROUND SAFETY

- **Crosswind landing limits and techniques**
Provides guidelines for operators in setting up company crosswind landing limits.
- **Overruns on landing**
Understanding the potential threats to a safe landing within the landing distance available.
- **Wet runway – hydroplaning**
Explores several case studies of hydroplaning and the lessons learned.
- **Health and safety guidance for the removal of bird strike remains**
Birds can carry a number of potentially fatal diseases and it is important to understand the 'clean up' procedure following a bird strike.

FLIGHT SAFETY

- **Flight data monitoring (FDM)**
Provides an understanding of FDM and guidance on its application.
- **Unstabilised approaches**
Information and advice on establishing a procedure for handling unstabilised approaches.
- **Effects of laser attacks on aircraft**
Raises awareness of the threat of lasers and how flight crew should react if targeted.
- **Flights with unreliable airspeeds**
References the Air France 447 crash and the importance of detecting and reacting to unreliable flight instruments.
- **Collision avoidance with VFR traffic in 'E' class airspace**
Raises awareness of flight crew on collision avoidance with General Aviation (GA) traffic.

SAFETY MANAGER AND FLIGHT CREW RESOURCES

- **Minimum safe turnaround times**
Highlights dangers of rushing an aircraft turnaround.
- **Guidelines for pilots following an incident or accident**
Short guidelines for pilots following an incident or an accident.
- **Flight Safety Officer (FSO) training**
Recommends a list of subjects and processes necessary for FSOs.
- **Regional guide for Air Traffic Control Operators (ATCOs)**
Recommendations for ATCOs for the prevention of poor communication and/or misunderstanding.
- **Just culture**
Guidance for agreeing procedures and options with just culture cases.
- **Lithium-ion batteries**
General overview of lithium-ion batteries and tackling lithium battery fires.
- **Dealing with an in-flight fire**
Understanding the threat of a fire and associated emergency procedures.
- **Safety Manager competencies and training**
Published in the wake of Regulation EU965/2012, which states that air operators should identify an individual who fulfils the role of Safety Manager, but provides limited guidance on how to achieve this.
- **Drug and alcohol testing (to be published soon)**
- **Pilot peer support programmes (to be published soon)**



WEATHER

- **Weather radar**
Provides guidance on effective weather radar use in-flight to avoid events of turbulence.
- **Winter operations – tail-plane and engine fan blade icing**
Provides information on severe icing conditions and proposes ways of reducing associated risks.
- **Lightning strikes**
Explains lightning strikes and procedures the crew should follow in case of a lightning strike to an aircraft whilst in flight.

SECURITY

- **Cyber security**
Identifying and understanding when a cyber-attack happens and the mitigation of threats.

Each STAR, when published, is annotated with a 'V' version number and validity date, which ERA will amend as and when the document requires updating. This simple annotation affords the reader instant opportunity to see any updates that may have affected the published content.

WHERE CAN THE STARS BE VIEWED?

You can view, download and print all STARs directly from ERA's website:

<http://www.eraa.org/policy/safety/safety-targeted-awareness-reports-stars>

New STARs uploaded on the website are available exclusively to ERA members for a period of three months, after which they become available, in the interest of wider air safety, to the whole aviation community.

ERA'S ACTIVITIES, ACTIONS AND FURTHER INFORMATION

All safety-related activity, including future regulatory proposals and current Standard Operating Procedures (SOPs), are discussed at the ERA Air Safety Group meetings. One of the goals of the ERA Safety Group is to produce a STAR on an agreed safety topic during each meeting with the intention of improving flight

safety through education. ERA also participates in numerous regulatory safety task groups, as well as other safety-related meetings and conferences, to determine what impact, if any, there is on the safety of ERA's members' operational procedures.

For further information, please contact christopher.mason@eraa.org



European Regions Airline Association

Park House, 127 Guildford Road, Lightwater, Surrey, GU18 5RA, United Kingdom

Telephone: +44 (0)1276 856495

E-mail: info@eraa.org Website: www.eraa.org

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