

Evacuation Slide And Slide Raft Reliability

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Evacuation Slide Functional Issues - SKYbrary Aviation Safety

An evacuation device which inflates automatically upon opening of the door of an aircraft unless predetermined actions are accomplished before the door is opened. The device comprises individually operable and pneumatically distinct upper and lower inflation tube assemblies which support a slide surface therebetween across which persons jumping from the aircraft may slide to ground level.

Evacuation Slide - Types | Technology Trends

Evacuation slide - Wikipedia Life rafts can be single tube or double tube, come in a soft case or hard pack, and

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come in a variety of sizes defined by their maximum capacity. There are various manufacturers including Air Cruisers, Eastern Aero Marine, Goodrich, Hoover Industries, RFD Beaufort, Survival Products, Switlik, and

Evacuation Slide And Slide Raft

Both slides and slide/rafts use non-explosive, inert gas inflation systems. The FAA requires evacuation of the entire aircraft in 90 seconds using 50% of the available evacuation exits. To meet this, all evacuation units need to deploy in less than 10 seconds.

Difference between escape slide and life raft - PPRuNe

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Forums

Audio reading. An evacuation slide is an inflatable slide used to evacuate an aircraft quickly. An escape slide is required on all commercial (passenger carrying) aircraft where the door sill height is such that, in the event of an evacuation, passengers would be unable to step down from the door uninjured (Federal Aviation Administration requires slides on all aircraft doors where the floor ...

Goodrich Slide Raft Manual - atcloud.com

It is of the outmost importance to make sure that escape slides' maintenance is properly done so that they can deploy correctly when they are the most needed. This article recalls the importance of reporting scheduled and

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unscheduled slide deployment results to Airbus. It highlights the most common causes of unsuccessful slide deployments and provide recommendations to prevent them.

US3833088A - Slide-raft for emergency aircraft evacuation ...

Safran Aerosystems designs and manufactures a complete line of emergency evacuation slide and slide/raft systems for commercial and regional aircraft. With over 80 years of innovative ideas and experience, Safran Aerosystems remains the world leader in emergency evacuation technology. Its evacuation slides are on-board every major aircraft platform flying today

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and one out of

Correct Escape Slides Maintenance for Successful Slides

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survie maritime slide raft et fusée.wmv - Duration: 5:47.

lau dhy 12,974 views. ... 10 Fastest Aircraft Evacuation Slides.wmv - Duration: 1:22. Alex Warren Recommended for you.

EVACUATION SLIDE AND SLIDE/RAFT RELIABILITY

When the slide-raft is used in the raft mode and is fully loaded, it may be detached from the aircraft by any suitable means such as those illustrated in the previously cited copending application Ser. No. 131,270.

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When it is thus separated, the cooperation of lower end tubes 37 and 77 will prevent people from falling overboard at the outer end.

Evacuation slide – HiSoUR – Hi So You Are
A slide/raft is an evacuation slide that can be used both as a means of escape in a land evacuation and as a life raft in a landing on water. Slide/rafts usually feature an erectable canopy, outer compartments to hold passengers and survival packs containing items such as leak stoppers, paddles and flares.

Evacuation Systems - Collins Aerospace
The A320 has slide rafts on the main doors that are

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designed to carry passengers in the event of a water landing i.e. they float and detach from the aircraft. In the event of a land evacuation they function as slides. The overwing exit slides are not designed to float or be detached and normally would only be used for land evacuation.

Slides | EAM Worldwide

Our systems include inflatable evacuation slides, slide/rafts and life rafts. The systems can be installed on virtually any type of aircraft – civil, commercial and military. Main deck, upper deck or off-wing evacuation systems are available. Our inflatable evacuation systems enhance passenger safety.

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Discover our evacuation slides | Safran

The EAM Slide Raft can be used both as a means of escape in a land evacuation and as a life raft in a landing on water. Once the slide is separated, the slide remains attached to the aircraft by a mooring line. When deployed and in water, the raft may be boarded on either side. Accessories are contained in an accessories case tied to the raft.

Slide Raft Inflation

Under current regulations, each Evacuation Slide & Slide Raft are recommended be removed from the aircraft every 3 years & inspected by an approved FAR Part 145

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Repair Station. The OEM recommends a yearly inspection and overhaul after a slide has reached 15 years.

US5360186A - Inflatable slide raft assembly - Google Patents

Slides are manufactured to last for 15 years, and some are even designed to detach from the aircraft, making them available as life rafts should the aircraft crash land in water. When you understand the level of expertise and effort that goes into manufacturing emergency slides, it is clear why their safety record is so impressive.

Major Repairs | AVI Aviation | United States

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An aircraft life raft escape slide assembly for evacuating passengers from an aircraft and thereafter for providing a floating support when the evacuation is over water. Such assembly has an inflatable slide structure releasably connected to an inflatable boarding slide structure to define an integral unit but each structure being independently inflatable.

Evacuation slide - Wikipedia

• All exits opened for evacuation • Evacuation slide/raft at door 2L separated from airplane when door was opened – Pack fell to ground with girt bar and did not inflate. National Transportation Safety Board. National Transportation Safety Board. National Transportation

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Safety Board.

SLIDE-RAFT FOR EMERGENCY AIRCRAFT EVACUATION - SARGENT IND ...

The slide/raft functions similarly as a slide for an emergency landing on the ground and adds capabilities for evacuation after a water landing (ditching). The device's mooring line, which fastens the slide/raft to a point near its exit door, can be cut by occupants with the supplied emergency knife.

***Evacuation Slide And Slide/Raft Reliability
EVACUATION SLIDE AND SLIDE/RAFT RELIABILITY
Jason T. Fedok Survival Factors Investigator National***

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***Transportation Safety Board (NTSB) Washington, DC
20594 ABSTRACT This paper will discuss the various
issues involved with evacuation slide and slide/raft
reliability including design, deployment intervals,
maintenance practices, and FAA regulations.***

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