Airliner Safety Cards

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EMBRAER – Air Safety

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Introduction

“An alert, knowledgeable person has much better chance of surviving any life or injury-threatening situation that could occur during passenger-carrying operations in civil aviation”

FAA AC 121-24C
Airlines Safety Cards

Introduction
Airlines Safety Cards

Introduction

Where is that Safety Card !?
Airlines Safety Cards

Contents

1. The Safety Card Collection
2. Statistics
3. Passenger Comprehension
4. Good Information Not Usually Included
Airlines Safety Cards

The Safety Card Collection

67 CARDS
25 DIFFERENT TYPES OF AIRCRAFT
10 DIFFERENT AIRCRAFT MANUFACTURES
MANY DIFFERENT AIRLINES
Airlines Safety Cards

The Safety Card Collection

FOR THE SAFETY OF OTHERS PLEASE DO NOT REMOVE CARD FROM AIRPLANE.

DO NOT REMOVE FROM AIRCRAFT

DO NOT REMOVE FROM AIRCRAFT

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The Safety Card Collection

- Classifying the Topics
- Card Size
- Card Area
- Number of Topics per Card
- Frequency of Topics
- Number of Languages
§ FAR PART 121.571
- Smoking
- The location of emergency exits.
- The use of safety belts,
- Federal Aviation Regulations require passenger compliance
- The location and use of any required emergency flotation means.
- The placement of seat backs in an upright position
- Location of survival equipment.
- Use of oxygen.
- Location and operation of fire extinguisher.
- Keep their seat belts fastened, while seated.
Airlines Safety Cards

The Collection – Classifying The Information

35 different types of information found

- how to operate the seat belt
during takeoff and landing put seat upright
during takeoff and landing stow luggage
during takeoff and landing close overhead bins
  - no smoking
  - no electronic equipments
do not smoke in bathroom
keep seat belts on while seated
no not mess with smoke alarm in bathroom
  - bracing position
  - bracing position child
bracing position pregnant woman
bracing position with child on lap
during emergency no high hills
during emergency no luggage
during emergency no glasses
during emergency no smoking
do not use emergency exit with smoke or fire outside
do not use emergency exit if exit blocked with debris
  - how to open doors
written instruction to passengers seated on emergency exits
evacuation routes landing on ground
  - how to activate the escape slide
  - how to descend the escape slide
do get away from aircraft after exiting
evacuation routes with lights on floor
evacuation routes with lights on floor and person low
  - seats floating device
evacuation routes landing on water
  - how to place life vest
  - only inflate life vest outside aircraft
door that should not be open during landing on water
  - use of oxygen masks
place oxygen masks on child and elderly last
life boat instructions
how to operate the seat belt during takeoff and landing put seat upright
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The Collection – Type of Information

during takeoff and landing
stow luggage
during takeoff and landing
close overhead bins
Airlines Safety Cards

The Collection – Type of Information

no smoking

no electronic equipments
Airlines Safety Cards

The Collection – Type of Information

do not smoke in bathroom

bracing position
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The Collection – Type of Information

- bracing position
- pregnant woman

- bracing position
- child on lap
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The Collection – Type of Information

during emergency no high hills
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The Collection – Type of Information

during emergency
no luggage

during emergency
no glasses
Airlines Safety Cards

The Collection – Type of Information

do not use emergency exit with smoke or fire outside

during emergency no smoking
The Collection – Type of Information

evacuation routes landing on ground

how to open doors
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The Collection – Type of Information

written instruction to passengers seated on emergency exits

EXIT ROW SEATING
Passengers in exit rows should identify themselves to a crewmember, if they cannot read, speak or understand English.

RANGÉES COMPORTANT UNE SORTIE
Les passagers dont le siège se trouve sur une rangée comportant une sortie doivent s'identifier auprès d'un membre de l'équipage s'ils ne lisent pas l'anglais, ne le parlent pas ou ne le comprennent pas.

ASIENTOS CERCANOS A LA SALIDA DE EMERGENCIA
Los pasajeros sentados cerca de la salida de emergencia que no sepan leer, escribir y entender inglés deben identificarse a un miembro de la tripulación.

출입구 근처의 座席
出入口列席席の 客様で、英語が不自由な方は、お手数ですがその 飛行員にご連絡ください。

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The Collection – Type of Information

how to activate the escape slide

how to descend the escape slide
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The Collection – Type of Information

- do get away from aircraft after exiting
- evacuation routes with lights on floor
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The Collection – Type of Information

evacuation routes with lights on floor and pax low

seats floatation device
The Collection – Type of Information

- evacuation routes landing on water
- how to place life vest
Airlines Safety Cards

The Collection – Type of Information

- only inflate life vest outside aircraft
- door that should not be open during landing on water
Airlines Safety Cards

The Collection – Type of Information

use of oxygen masks

place oxygen masks on child and elderly last
life boat instructions
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Statistics – Card Area

![Graph showing card area distribution with area and average lines.
Card Number on the x-axis, Area (Cm Squared) on the y-axis.]
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Statistics – Number of Topics Per Card

![Graph showing the number of topics per card.](image)
Statistics – Frequency of Each Topic

% Of Cards

Seat Belts
Brace Position
Oxygen Masks

Topic Number

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Statistics – Number of Language

Number of Languages

Number of Cards

One  | Two  | Three | Four | Five or More

0    | 5    | 10   | 15   | 20  | 25

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DOCTOR FUN

Life’s final disappointment

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Passenger Comprehension
When Using the Escape Slide

No High Hills

During Emergencies

No Shoes

No Nothing
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Passenger Comprehension
Airlines Safety Cards

Passenger Comprehension
Airlines Safety Cards

Passenger Comprehension
Airlines Safety Cards

Passenger Comprehension

EXIT OPERATION:
ASSESS OUTSIDE CONDITIONS. IF OPENING EXIT INCREASES THE HAZARD TO PASSENGERS, DO NOT OPEN.
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Passenger Comprehension

Poorly-conceived airline passenger safety cards
Airlines Safety Cards

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Good Information Not usually Included

PASSenger Safety Information

FOR YOUR SAFETY, PLEASE STUDY THIS CARD.

THERE IS LITTLE LIKELIHOOD THAT WE WILL ENCOUNTER A SITUATION REQUIRING EMERGENCY PREPARATIONS. HOWEVER, IT IS A GOOD PRACTICE TO BECOME ACQUAINTED WITH THE SAFETY FEATURES WE HAVE PROVIDED FOR YOU ON THIS AIRCRAFT.

FOR YOUR SAFETY, know the quickest way to get out of this plane.
Do you know: Where your exits are?
How to open the exits?
How to jump into the escape slide?

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Good Information Not usually Included

Follow lights to exits. Keep in mind the closest exit may be behind you.

Siga las luces de salida. Tenga presente que la puerta de salida más cercana puede estar detrás de usted.

Before opening an exit look through a window to assess outside conditions. If thick smoke, fire, or obstructions are present or if the water level is above the sill of the exit DO NOT OPEN! Direct passengers to other usable exits.

Smoke/Fire Fuego/Humo Debris Escombros

Water Level Nivel del Agua

Open Abrir
Good Information Not usually Included

KEEP SEAT BELTS FASTENED WHILE SEATED
Mientras esté sentado mantenga abrochado su cinturón
Attachez vos ceintures quand assis

Know the location and operation of all emergency equipment and exits.

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Conclusion

- 35 Different Topics
- Average Area: 1600 cm² (248 in²)
- Average Topic per card: 17
- Some of the Topics were so subtly presented that the average passenger would, probably, not comprehend
Airlines Safety Cards

Have a Safe Flight Home and Thank You!