

Credentials

SPECIALTY CERTIFICATES

CREDENTIALS

SOFTWARE SOLUTIONS

MANAGED SERVICES

Carillon provides specialty certificates to create tamper proof electronic boarding passes for airlines

E-boarding passes have been a part of our travel experience for a decade already, yet very few people worry about what happens if someone were to modify or manipulate a boarding pass for fraudulent purposes. This could easily lead to security breaches that could literally bring an airport to a halt.



Seeing this threat, the TSA moved to implement rules that require airlines flying to the United States to authenticate and secure electronic boarding passes for all flight into the U.S.

The TSA mandates that the electronic boarding passes must be signed using Elliptical Curve Cryptography (ECC) Certificates to authenticate and protect the integrity of the data. Furthermore, it must also be Cross-certified to the US Federal Bridge PKI. The combination of the ECC technology and the trust fabric associated with cross-certification to the US government is a key component to the successful deployment of this solution for all airlines that are presently issuing e-boarding passes. This effective cryptography method provides some valuable benefits:

- Confirms authenticity of Airline or supplier issuing e-boarding pass to passengers
- Provides a framework for proper validation of certificates used to sign e-boarding pass
- Compliant with TSA directives and FIPS 201
- Prevents misuse and counterfeiting of e-boarding passes

Securing e-boarding passes sounds like a great idea. The challenge was to find the right encryption method and the proper trust level associated with the value of the information. With more and more focus on cyber-attacks in the aviation industry, Carillon's Specialty certificates are one of many services available to help counter these real threats.

Option : Managed PKI for Airlines

PKI certificates are common place for Airlines. Whether they are used to secure Wi-Fi connections on planes, identify tablets or sign electronic boarding passes, the challenge remains to find a better way to manage your inventory of certificates. After more than a decade of identity management expertise in Aerospace, Carillon is now offering a complete managed solution that will allow an Airline to have all the right certificate types and trust levels within ONE single Certificate Authority platform.

About Carillon

Since 2000, Carillon Inc. provides a complete spectrum of identity management solutions that are designed to prevent identity theft, promote the migration from paper to electronic authentication, and avoid loss of intellectual property.

From consulting services, to validation software and managed identity services, Carillon can provide the skill sets and tools to help companies take control of their corporate digital credentials.