

# Không Nên Chụp Hình Boarding Pass Gửi Đi.

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Bạn đang ở cổng chờ lên máy bay, hoặc đang trên máy bay, và muốn thông báo cho bạn bè và gia đình biết rằng mình đang đi đến một nơi rất thú vị nên bạn chụp ảnh boarding pass của mình để đăng lên Facebook, Instagram hoặc Twitter. Chẳng sao cả đúng không? Sai!

Vì thông tin được in trên boarding pass ghi trên những mã vạch, có thể bị tin tặc (hacker) lợi dụng.

Trang an ninh [KrebsonSecurity](#) <sup>(1)</sup> gần đây đã lưu ý là có những website có thể đọc mã vạch trên boarding pass và cung cấp thông tin hành trình của bạn cho người khác – kể cả số điện thoại và số thẻ hội viên của bạn. Sau khi truy cập được thông tin, người ta có thể đổi số ghế trên chuyến bay, hủy chuyến bay sắp tới, hoặc đổi mật khẩu PIN.

Lần tới nếu bạn muốn vứt boarding pass (với mã vạch trên đó) đã qua sử dụng thì hãy lưu ý vứt nó vào máy xé giấy”, theo lời chuyên gia an ninh. Mã vạch hai chiều và mã QR có thể mang một lượng lớn thông tin, và loại mã được in trên boarding pass có thể trợ giúp cho người khác biết nhiều điều về bạn, những kế hoạch du lịch sắp tới, và tài khoản hội viên của bạn.

## (1) What’s in a Boarding Pass Barcode? A Lot

The next time you’re thinking of throwing away a used boarding pass with a barcode on it, consider tossing the boarding pass into a document shredder instead. Two-dimensional barcodes and QR codes can hold a great deal of information, and the codes printed on airline boarding passes may allow someone to discover more about you, your future travel plans, and your frequent flyer account.

Earlier this year, I heard from a longtime KrebsOnSecurity reader named Cory who said he began to get curious about the data stored inside a boarding pass barcode after a friend put a picture of his boarding pass up on Facebook. Cory took a screen shot of the boarding pass, enlarged it, and quickly found a site online that could read the data.



An older Delta boarding pass with a bar code that does not include a frequent flyer number. Source: IATA.

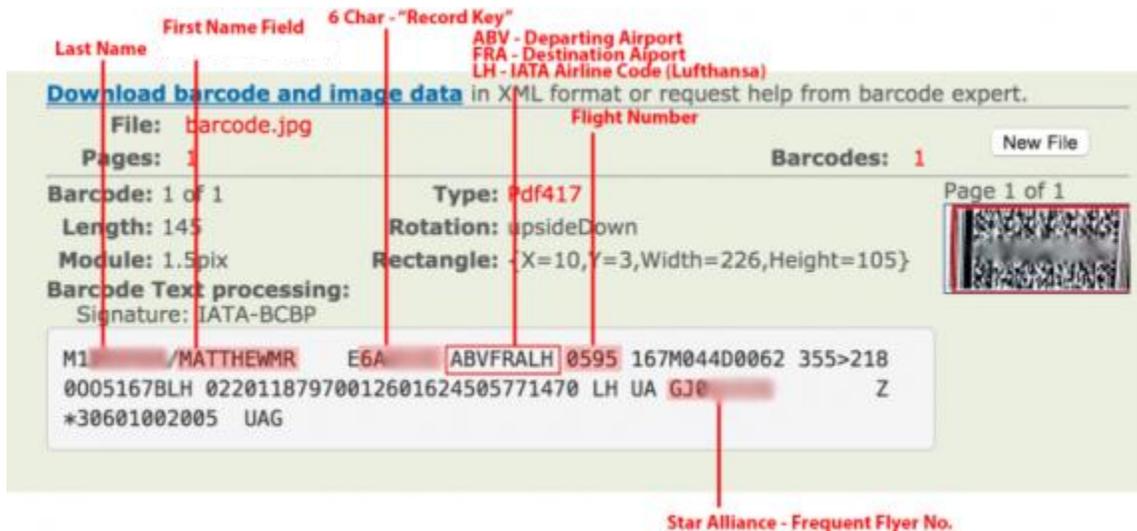
“I found a [website](#) that could decode the data and instantly had lots of info about his trip,” Cory said, showing this author step-by-step exactly how he was able to find this information. ‘

“Besides his name, frequent flyer number and other [personally identifiable information], I was able to get his record locator (a.k.a. “record key” for the Lufthansa flight he was taking that day,” Cory said. “I then proceeded to Lufthansa’s website and using his last name (which was encoded in the barcode) and the record locator was able to get access to his entire account. Not only could I see this one flight, but I could see ANY future flights that were booked to his frequent flyer number from the Star Alliance.”

The access granted by Lufthansa’s site also included his friend’s phone number, and the name of the person who booked the flight. More worrisome, Cory now had the ability to view all future flights tied to that frequent flyer account, change seats for the ticketed passengers, and even cancel any future flights.

The information contained in the boarding pass could make it easier for an attacker to reset the PIN number used to secure his friend’s Star Alliance frequent flyer account. For example, that information gets you past the early process of resetting a Star Alliance account PIN at United Airline’s “forgot PIN” Web site.

After that, the site asks for the answer to a pre-selected secret question. The question in the case of Corey’s friend was “What is your Mother’s maiden name?” That information can often be gleaned by merely perusing someone’s social networking pages (e.g., does your aunt or uncle on your mom’s side have your mother’s maiden name as their last name? If so, are they friends with you on Facebook?)



The readout from the barcode on Cory’s friend’s boarding pass (redacted).

United Airlines seems to treat its customers’ frequent flyer numbers as secret access codes. For example, if you’re looking for your United Mileage Plus number, and you don’t have the original document or member card they mailed to you, good luck finding this information in your email correspondence with the company. When United does include this code in correspondence, all but the last three characters are replaced with asterisks. The same is true with United’s boarding passes. However, the full Mileage Plus number is available if you take the time to decode the barcode on a boarding pass.

Interested in learning what’s in your boarding pass barcode? Take a picture of the barcode with your phone, and upload it to [this site](#). [This blog](#) on the same topic from several years back includes some helpful hints on how to decode the various information fields that get dumped by the barcode reader.

Finally, the standards for the boarding pass barcodes are widely available and have been for years. Check out [this document](#) (PDF) from the **International Air Transport Association (IATA)** for more on how the barcode standards work and have been implemented in various forms.