



## Transportation Security Administration

*NOTE: This Technical Advisory describes a matter which may impact your product.*

# TWIC Technical Advisory TA-2012-TWIC002-V1.0

## RENEWAL OF TWIC INTERMEDIARY CERTIFICATE AUTHORITY CERTIFICATES TWICCA1 AND TWICCA2

### Introduction

This Technical Advisory details a change in the TWIC intermediary certificates of the TWIC Certificate Authority (CA).

### Background and Definition

This Technical Advisory was precipitated by a need to address the validity period of the TWIC intermediary certificates of the TWIC Certificate Authority.

### Problem Statement

The previous intermediary certificate "not valid after" date field for TWICCA1.cer of 20 AUG 2017 may result in a TWIC reader failing the signature validation of a TWIC card resident certificate, with a 5 year validity period, for TWIC cards issued after 20 AUG 2012.

### Description of New or Unique Process

This advisory provides notice that the TWIC Program Management Office took the decision to renew both of the

intermediary certificates TWICCA1.cer and TWICCA2.cer with a harmonized "not valid after date" of 31 December 2019. The public and private key pair is unchanged from the previous CA intermediary certificates. The renewed TWICCA1.cer and renewed TWICCA2.cer have each been assigned a new serial number.

### Use of New or Unique Process

TWIC readers and other entities validating the CA signature on any of the certificates resident on a TWIC card should use the new TWICCA1.cer and TWICCA2.cer CA certificates as soon as practical. The previous CA certificates can be used without issue on all TWIC cards up to a CA intermediary certificate's respective expiration date.

### Design Features of New or Unique Process

What is unique is a new serial number and validity period for each of the CA intermediary certificates permitting correct TWIC card certificate signature validation operation until 31 December 2014.

## **Comments**

Questions on this Technical Advisory should be addressed to the TSA TWIC PMO TWIC Reader Hardware and Card Application Specification Project Editor, [Gerald.Smith@associates.dhs.gov](mailto:Gerald.Smith@associates.dhs.gov) .

## **Subject References**

TWIC Reader Hardware and Card Application Specification, Version 1.1 Amendment 1, 30 May 2008.

## **Keywords**

TWIC  
CA  
Certificate Authority  
Validity Period  
Certificate Serial Number

## **Standard Details**

Refer to Section 2 *References* in the Subject Reference document.

## **Specifications or Special Provision**

TWIC Reader Hardware and Card Application Specification, Version 1.1 Amendment 1, 30 May 2008.

## **Supersedes Dates**

There is no previous Technical Advisory issued that addresses this unique change.

This Technical Advisory shall be active until further notice.

## **Obtain more Information**

More technical information on TWIC can be obtained at:

[http://www.tsa.gov/what\\_we\\_do/layers/twic/pilot\\_test.shtm](http://www.tsa.gov/what_we_do/layers/twic/pilot_test.shtm)

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