



PREMIER MINISTRE

Secrétariat général de la défense nationale

Direction centrale de la sécurité des systèmes d'information

## **Maintenance Report DCSSI-2007/01-M02**

**ATMEL Microcontroller AT90SC6408RFT rev. F**

Reference Certificate: 2007/01

**Courtesy Translation**

*Paris, 28<sup>th</sup> of March 2008*



## References

- a) Assurance continuity procedure MAI/P/01,
- b) Twister Security Target, reference: Twister\_ST\_V1.3\_12Dec06,
- c) AT90SC6408RFT Security Target Lite, reference: TPG0141A\_15Dec06,
- d) Certification report 2007/01 - ATMEL Secure Microcontroller AT90SC6408RFT rev. E, 15<sup>th</sup> of January 2007,
- e) Maintenance Report M-2007/01 - ATMEL Secure Microcontroller AT90SC6408RFT rev. F, 8<sup>th</sup> of February 2007,
- f) Twister Security Impact Analysis, référence : Twister\_SIA\_V2.0\_26Mar08.

## Identification of the maintained product

The maintained product is the ATMEL secure microcontroller AT90SC6408RFT, reference AT58848 rev. F developed by ATMEL Secure Microcontroller Solutions, initially certified in revision E under the reference 2007/01 and maintained in revision F under the reference M-2007/01.

## Description of changes

The production of AT90SC6408RFT has been transferred from ATMEL North Tyneside (UK) to Rousset production plant (Z.I. Rousset Peynier, 13106 Rousset Cedex, France).

The product identification remains the same, except the content of the serial number register SN\_2 which has been updated to reflect the change of production plant. The maskset has been partly adapted to the new production plant.

This change in the life cycle of the product did not introduce any modification to the security functions. Moreover, the production environment of ATMEL Rousset premises is evaluated and audited on a regular basis by the ITSEF CEACI, for evaluation and reevaluation of ATMEL product at EAL5+ level. The result of these tasks is satisfactory.

## Impacted deliverables

The only impacted documentation is the one related to configuration management:

[CONF]	<ul style="list-style-type: none"> <li>- Twister Manufacturing Configuration List, reference: Twister_MCL_V1.4_10Mar08</li> <li>- Twister Production Mask List, reference: Twister_PML_V1.2_10Feb08</li> </ul>
[ST]	Twister Security Target, reference: Twister_ST_V1.4_13Nov07

## Conclusions

The above listed changes are considered as having a **minor** impact.

The assurance level of this product is thus identical to the certified version.

## Warning

The resistance level of a certified product is declining as time goes by. The vulnerability analysis of this product revision versus the new attacks that would have appeared since the certificate release has not been conducted in the frame of this current maintenance. Only a re-evaluation or a “surveillance” of the new product revision would allow maintaining the assurance level in a timely and efficient manner.

## Recognition of the certificate

### *European recognition (SOG-IS)*

The reference certificate was issued in accordance with the provisions of the SOG-IS agreement [SOG-IS].

The European Recognition Agreement made by SOG-IS in 1999 allows recognition from Signatory States of the agreement<sup>1</sup>, of ITSEC and Common Criteria certificates. The European recognition is applicable up to ITSEC E6 and CC EAL7 levels. The certificates that are recognized in the agreement scope are released with the following marking:



### *International common criteria recognition (CCRA)*

The reference certificate was released in accordance with the provisions of the CCRA [CCRA].

The Common Criteria Recognition Arrangement allows the recognition, by signatory countries<sup>2</sup>, of the Common Criteria certificates. The mutual recognition is applicable up to the assurance components of CC EAL4 level and also to ALC\_FLR family. The certificates that are recognized in the agreement scope are released with the following marking:



This maintenance report is released in accordance with the document: « Assurance Continuity: CCRA Requirements, ref. CCIMB-2004-02-009, version 1.0, February 2004 ».

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1 The signatory countries of the SOG-IS agreement are: Finland, France, Germany, Greece, Italy, The Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

2 The signatory countries of the CCRA arrangement are: Australia, Austria, Canada, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, India, Israel, Italy, Japan, The Netherlands, New-Zealand, Norway, Singapore, Spain, Sweden, Turkey, United Kingdom and United States.