



PREMIER MINISTRE

Secrétariat général de la défense nationale

Direction centrale de la sécurité des systèmes d'information

## **Maintenance Report DCSSI-2006/26-M02**

**ATMEL Secure Microcontroller  
AT90SC9618RCT / AT90SC9618RT /  
AT90SC9608RT rev. D**

Reference certificate: 2006/26

**Courtesy Translation**

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



## References

- a) Assurance continuity procedure MAI/P/01
- b) Carbonear Security Target, reference: Carbonear\_ST\_v1.5,
- c) AT90SC9618RCT Security Target Lite, reference: TPG0097B\_18Oct06
- d) Certification Report 2006/26 - ATMEL Secure Microcontroller AT90SC9618RCT rev. D, 14 December 2006,
- e) Maintenance report M-2007/07, 25th of May 2007,
- f) Carbonear Security Impact Analysis, reference: Carbonear\_SIA\_V1.9\_14Mar08.

## Identification of the maintained product

The maintained products is the secure microcontroller AT90SC9618RCT, reference AT58823 revision D developed by Atmel Secure Products Division, initially certified under reference d. The part numbers AT90SC9618RT and AT90SC9608RT of the same product were maintained in revision D (reference e) and are also covered by the current maintenance report.

## Description of changes

The production of AT90SC9618RCT 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. 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 following documents have been updated:

[ST]	<ul style="list-style-type: none"> <li>- Carbonear Security Target Reference: Carbonear_ST_V1.6_13Nov07</li> </ul>
[CONF]	<ul style="list-style-type: none"> <li>- Manufacturing Configuration List Reference: Carbonear_MCL_V1.5_10Feb08</li> <li>- Carbonear Production Mask List, Reference: Carbonear_PML_10Feb0</li> </ul>

## Conclusions

The above listed changes are considered as having a **minor** impact.  
The assurance level of this new product revision is thus identical to the certified revision.

## 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.