



PREMIER MINISTRE

Secrétariat général de la défense nationale

Direction centrale de la sécurité des systèmes d'information

**Maintenance Report M-2007/17**

**ST19NL66A secure microcontroller**

Reference Certificate : 2006/27

**Courtesy Translation**

*Paris, 10 July 2007*



## References

- a) Assurance continuity procedure MAI/P/01.
- b) ST19NR66 Security Target, Reference: SMD\_ST19NR66\_ST\_06\_001\_V01.00, STMicroelectronics,
- c) Certification report 2006/27 - ST19NR66B secure microcontroller, 8<sup>th</sup> December 2006, SGDN/DCSSI,
- d) Impact Analysis Report - ST19NL66A, reference: SMD\_19NL66A\_SIA\_07\_001\_V1.0, STMicroelectronics.

## Identification of the maintained product

The evaluated product is the ST19NL66 revision A microcontroller (dedicated software AFA, maskset K7H0EAB) developed by STMicroelectronics. This product includes a software test (“Autotest”) and a software library (system management, crypto library), stored in ROM memory.

## Description of changes

Regarding the previous version, the following change has been performed:

- Disconnection of the RF interface to allow the hardware to be used in a contact mode only.

## Impacted deliverables

The deliverables impacted are:

- The security target,
- The configuration list,
- Guidance documentation.

[CONF]	The configuration list was updated within an annex of the impact analysis report: Impact Analysis Report - ST19NL66A, reference: SMD_19NL66A_SIA_07_001 V1.0, STMicroelectronics.
[GUIDES]	ST19NL66 - Data Sheet, reference: DS_19NL66/0703V1, STMicroelectronics
[ST]	ST19NL66 Security Target, reference: SMD_ST19NL66_ST_07_001_V01.00, STMicroelectronics

## 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.

## 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.