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RÉPUBLIQUE FRANÇAISE

PREMIER MINISTRE

Secrétariat général de la défense nationale

Direction centrale de la sécurité des systèmes d'information

Maintenance Report M-2006/05

Secure microcontroller ST19WP18-D

Reference certificate: 2005/41

Courtesy Translation

Paris, 14 MAR. 2006

*Le Directeur central de la sécurité des
systèmes d'information*

Patrick Pailloux



References

- a) Assurance continuity procedure MAI/P/01
- b) ST19WP18 Security Target, reference: SMD_ST19WP18_ST_05_001_V01.02, STMicroelectronics
- c) Certification Report 2005/41 - ST19WP18E microcontroller, 18 novembre 2005, SGDN/DCSSI
- d) Impact Analysis Report - ST19WP18-D, Référence : CIT_WP18-D_SIA_06_001 V01.00, STMicroelectronics

Identification of the maintained product

The maintained product is the ST19WP18-D secure microcontroller in revision E developed by STMicroelectronics and certified under the reference 2005/41. The microcontroller includes a software test («Autotest») and a software library (system management, crypto library), stored in ROM Memory. The version of the maintained microcontroller including this evaluated software is: ST19WP18-D revision E (dedicated software YAC, maskset K780EEA).

Description of changes

The maintained product is identical to the certified revision. The only difference is the non-activation of the LPC port. For commercial purpose, the product names have been differentiated with the adding of the « -D » suffix.

Impacted deliverables

Only the commercial name and the product application purpose have changed. The LPC port non-activation that is done by the user software does not change the evaluated and certified features of the product. The following documentation related to the product has changed:

[CONF]	Addendum: Impact Analysis Report - ST19WP18-D - Annex, reference: CIT_WP18-D_SIA_06_001 V01.00, STMicroelectronics
[GUIDES]	ST19WP18-D - Data Sheet, reference: DS_19WP18-D/0504VP1, STMicroelectronics
[ST]	ST19WP18-D Security Target, reference: SMD_ST19WP18D_ST_06_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.