



CMD2 – Generic MicroProcessor Cards

Background

The methodology for providing a CMD2 smart card for use in the ITSO environment is different from the other platforms in that there are two components or stages that are needed before one can be used. The first stage relates to the smart card itself and the second is the applet that is loaded onto it. Both of these components can have an impact on the possible transaction times that a card can achieve. Meeting the required benchmark transaction time in the ITSO warehouse is a pre-requisite for the issue of a certificate for all CMD.

Testing and Certification of CMD2 media

The ITSO Board at its December 2008 meeting resolved that:

- 1) ITSO has placed a time limit, of 31st December 2010, when the existing CMD2 certificates issued before 1st January 2009 will expire for further issue to customer media holders of Licensed Operators. Existing issued CMD2 media shall have been migrated to alternative certified CMDs at the latest by 31st December 2016.
- 2) ITSO will not provide a certificate to any new example of CMD2 media where the overall benchmark transaction time is greater than the target benchmark transaction time as published in the ITSO Specification.
- 3) For the avoidance of doubt, the CMD under test will be tested against the standard ITSO Customer Media Test Tool and also against the range of ITSO POSTs in the ITSO Interoperability Warehouse and the transaction times must meet the requirement as applied to the POSTs that the CMD is being tested against (e.g. for CMD2 for off-line bus ETMs, this is currently 2 times the target time in the ITSO Specification: 600ms). This new test requirement will be applied to **all** CMDs.

Testing of POSTs using CMD2 media

- 1) ITSO are allowing a temporary derogation to Suppliers of POSTs. Existing CMD2 smart media certified before 1st January 2009 will be allowed to operate at up to 1.2 seconds for the more complex of the two benchmark tests and 1.0 seconds for the less complex test.

John Verity Head of Compliance

ITSO Limited
December 2008