



Information Assurance Services

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CESG Reference: [39960747]

Date: 10th July 2014

CESG Position Statement: Full Disk Encryption Essential Security Requirements version 0.2, dated 1 May 2014

Version 1.0

STATEMENT: CESG supports the Full Disk Encryption Essential

Security Requirements (ESR), version 0.2, dated 1 May 2014.

PURPOSE:

The intent of this Position Statement is to make it publicly known that CESG:

- recognises a need for evaluated devices that are suitable for the use cases identified in the ESR, and
- believes that the ESR reasonably describes the security functionality required of such devices, subject to the notes below.

SCOPE:

CESG will revisit this position statement at each stage of the Full Disk Encryption collaborative Protection Profile (cPP) development process, and will amend accordingly.

If CESG endorses the resulting Full Disk Encryption cPP, products evaluated against the cPP that demonstrate exact conformance to the cPP will be recognised as Foundation Grade in the UK, and be eligible for listing on the CESG Evaluated Products List [<http://www.cesg.gov.uk/servicecatalogue/CPA/Pages/CPA-certified-products.aspx>].

NOTES:

CESG observe that some of the use cases in the ESR are based on one of software being run from the device by the end user. It is CESG's view that it is also extremely useful for the same software to be pre-provisioned onto enterprise End User Devices by an administrator, so that the user does not require code execution permissions on arbitrary devices. The cPP must not preclude this model of software distribution and use.

CESG also observe that some current devices rely on hardware-protected keys on-board such devices to reduce the required length of user-supplied credential. As the ESR removes hardware protection from scope, CESG notes that the user-supplied authorisation factor will necessarily have to be suitably strong.

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