



CCEVS APPROVED ASSURANCE CONTINUITY MAINTENANCE REPORT

ASSURANCE CONTINUITY MAINTENANCE REPORT FOR METASTORM BPM 7.5SR1 (Formerly known as Metastorm e-Work 6.6.1)

Maintenance Report Number: CCEVS-VR-06-0046a

Date of Activity: 01/16/2008

References: Common Criteria document CCIMB-2004-02-009 "Assurance Continuity: CCRA Requirements", version 1.0, February 2004

Impact Analysis Report, "Metastorm BPM 7.5SR1 (Formerly known as Metastorm e-Work 6.6.1) Impact Analysis Report", Version 1.0, November 15, 2007

Documentation Updated: Metastorm e-Work 6.6.1 Security Target, Version 1.0, October 3, 2006 – updated to Metastorm BPM 7.5SR1 Security Target, Version 1.1, July 13, 2007

Metastorm BPM® Release 7.5 Administration Guide, April 2007

Metastorm BPM® Release 7.5 Designer User Manual, April 2007

Metastorm BPM® Release 7.5 Release Notes, April 2007

Metastorm BPM® Release 7.5 Web Author's Guide, April 2007

Using Metastorm BPM in the Common Criteria Certification Configuration Documentation Addendum, Issue: 1.2, 4 June 2007

Metastorm BPM Source Control Procedures, Issue: 1.2, 6TH June 2007

Supplemental, Metastorm Product Lifecycle document

Metastorm BPM Delivery and Operating Documentation, Issue: 1.1, 06 June 2007

Metastorm BPM® Release 7.5 Installation Guide, April 2007

Assurance Continuity Maintenance Report:

The vendor for the Metastorm e-Work 6.6.1 product, since renamed BPM 7.5SR1, submitted an Impact Analysis Report (IAR) to CCEVS for approval on 15 November 2007. The IAR is intended to satisfy requirements outlined in Common Criteria document CCIMB-2004-02-009, "Assurance Continuity: CCRA Requirements", version 1.0, February 2004. In accordance with those requirements, the IAR describes the changes made to the certified TOE, the evidence updated as a result of the changes and the security impact of the changes.

Changes to TOE:

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This maintenance activity consists of changes to both the previous evaluated TOE and the previous evaluated TOE environment. The Impact Assessment Report provides details on the changes; the following is a summary of the changes:

Product Name Changes

The product name was changed from Metastorm e-Works in release 6.6.2 to Metastorm BPM.

Product Changes

The Metastorm BPM 7.5 product has been updated to provide a number of new features, all of which are add-ons to the product that require separate licenses to be purchased for use. All of these changes are **outside the scope of the TOE** and the evaluated configuration. These new features include the Process Orchestrator for Web Services, the Metastorm Client for Microsoft Office 2007, Portlets for Java portals, Microsoft Workflow Foundation (WF), Web Parts for SharePoint, and notifications via an RSS Reader

Supporting Platform, Database, and Web Browser Changes

Both Metastorm e-Works 6.6.1 and BPM 7.5SR1 support Windows XP Professional SP2, Windows Server 2003 R2 Standard, Windows Server 2003 SP1 operating systems. Metastorm BPM 7.5SR1 also supports Windows Vista in the development environment only, in order to permit the developers to design a process and test it locally. Windows Vista may also be used as the underlying operating system in which IE is installed for the Web Client. Deploying a process for production use on Windows Vista is not supported at this time.

Metastorm e-Works 6.6.1 supported the following databases: Microsoft SQL Server 7 (SP4); Microsoft SQL Server 2000 (SP3a); Oracle 9 R2; and Oracle 10G. Metastorm BPM 7.5SR1 supports: Microsoft SQL Server 2000 (SP4); Microsoft SQL Server 2005; Microsoft SQL Server 2005 SP1; Oracle 9i R2; Oracle 10G R1, and Oracle 10G R2 databases. The changes of the supported databases do not have any impact on the operation of the TOE.

Metastorm e-Works 6.6.1 supported the following web browsers: Netscape 4.75; IE 5.01 SP4; IE 6 SP1; and IE 6 SP2. Metastorm BPM 7.5SR1 supports: IE 6 SP1; IE 6 SP2; and IE 7. The Web Client in classic mode was discontinued in release 6.6.2 and therefore Netscape is no longer supported in the changed TOE. The changes of the supported web browsers do not have any impact on the operation of the TOE.

There were no changes to the web servers supported.

The support for Microsoft Windows 2000 Professional and Microsoft Windows 2000 Advanced Server was discontinued in release 6.6.2 as Microsoft retired the mainstream support for these operating systems.

Security Relevant Changes

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None of the changes made to the product between e-Works 6.6.1 and BPM 7.5SR1 affect the functions within the logical boundaries of the security services provided by the TSF. None of the changes have impact on existing TOE SFRs.

Non-Security Relevant Changes

The following modifications were implemented to provide additional user features in the revised TOE. None of the new features below affect the TOE's security functions.

- *Metastorm BPM Product.* The Metastorm BPM product has been updated to include Dual Screen Support, High Contrast Color Scheme Support, Windows Theme Support, Unicode Support, Alternative Delimiters, Name Value Pairs, and Multi-language Support.
- *Web Extensions.* The web extensions were updated to run as an ASP .NET application on Microsoft Internet Information Server (IIS) web server. The Web Client has been optimized for performance and throughput.
- *Process Designer Application.* The Designer application in the Administrator Console has been updated to provide a more productive environment for the process designers. New features include new icon design, a customized toolbar, an Autohide feature, Component Bars, New Panes, and a Scripting Environment. There have been minor changes to the use of 'To Do List' role. The Mask capability has been improved, and the ability to process complex data types has been added. A Role Libraries capability has been added, permitting reuse of a single shared definition of the roles within an organization.
- *Web Client.* The Web Client has been updated to provide a more productive environment for the TOE users. Changes include Action Menu on Lists, Non-scrolling Grid Headers, Localization Support, and Configurable pages.
- *MBPM Engine.* The MBPM Engine has been improved to permit multiple threads of event management, multiple threads of alert requests (unrelated to audit), and the ability to configure the engine so that it does not generate deletion alerts.

The Impact Assessment Report also indicates that corresponding updates have been made to the appropriate assurance evidence, including the test matrices. This appears to indicate that sufficient testing has been performed to ensure the TOE is invoked as in previous versions.

Conclusion:

The changes to the TOE and TOE environment, as described in the Impact Assessment Report, were analyzed and found to have no effect on the security of the evaluated TOE. The non-security relevance of the set of changes (with respect to the TOE's SFRs) leads to the conclusion that the updates included in the transition from Metastorm e-Works 6.6.1 to Metastorm BPM 7.5SR1 can be classified as a **minor change** and that certificate maintenance is the correct path to continuity of assurance.

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Note that the ST indicates that the TOE is a subset of the product, although the nature of this is never made clear. If the subsetting excludes security-relevant features from the TOE, it is important to note that these excluded security-relevant features **are not covered** by this maintenance action. Any additional security relevant features in the product will be required to be covered by the TOE's Security Functions at the next major change (sooner if CCEVS policy changes) based on CCEVS Policies 10 and 13 (and their addenda).

Note also that this product has no audit SFRs included. The current assurance continuity process only requires assessment against the original ST's SFRs, so said lack does not promote this to a major change. However, as with Policy 10 and 13, the next major change will bring Scheme Policy 15 into scope, and require the addition of appropriate audit for administrator actions and policy decisions.