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To Whom It May Concern,

Below content is only for your information.

Introduction:

We have reviewed the applicability to Mindray products of the Microsoft Windows security patches released in Aug, 2023. The following CVEs have been evaluated:

CVE Identifiers

- CVE-2023-38254 Microsoft Message Queuing Denial of Service Vulnerability
- CVE-2023-38154 Windows Kernel Elevation of Privilege Vulnerability
- CVE-2023-36913 Microsoft Message Queuing Information Disclosure Vulnerability
- CVE-2023-36912 Microsoft Message Queuing Denial of Service Vulnerability
- CVE-2023-36911 Microsoft Message Queuing Remote Code Execution Vulnerability
- CVE-2023-36910 Microsoft Message Queuing Remote Code Execution Vulnerability
- CVE-2023-36909 Microsoft Message Queuing Denial of Service Vulnerability
- CVE-2023-36908 Windows Hyper-V Information Disclosure Vulnerability
- CVE-2023-36907 Windows Cryptographic Services Information Disclosure Vulnerability
- CVE-2023-36906 Windows Cryptographic Services Information Disclosure Vulnerability
- CVE-2023-36905 Windows Wireless Wide Area Network Service (WwanSvc) Information Disclosure Vulnerability
- CVE-2023-36904 Windows Cloud Files Mini Filter Driver Elevation of Privilege Vulnerability
- CVE-2023-36903 Windows System Assessment Tool Elevation of Privilege Vulnerability
- CVE-2023-36900 Windows Common Log File System Driver Elevation of Privilege Vulnerability
- CVE-2023-36889 Windows Group Policy Security Feature Bypass Vulnerability
- CVE-2023-36882 Microsoft WDAC OLE DB provider for SQL Server Remote Code Execution Vulnerability
- CVE-2023-35387 Windows Bluetooth A2DP driver Elevation of Privilege Vulnerability
- CVE-2023-35386 Windows Kernel Elevation of Privilege Vulnerability
- CVE-2023-35385 Microsoft Message Queuing Remote Code Execution Vulnerability
- CVE-2023-35384 Windows HTML Platforms Security Feature Bypass Vulnerability
- CVE-2023-35383 Microsoft Message Queuing Information Disclosure Vulnerability
- CVE-2023-35382 Windows Kernel Elevation of Privilege Vulnerability
- CVE-2023-35381 Windows Fax Service Remote Code Execution Vulnerability
- CVE-2023-35380 Windows Kernel Elevation of Privilege Vulnerability
- CVE-2023-35378 Windows Projected File System Elevation of Privilege Vulnerability
- CVE-2023-35377 Microsoft Message Queuing Denial of Service Vulnerability
- CVE-2023-35376 Microsoft Message Queuing Denial of Service Vulnerability

- CVE-2023-35359 Windows Kernel Elevation of Privilege Vulnerability
- CVE-2023-20569 AMD: CVE-2023-20569 Return Address Predictor

For more details, please refer to the Microsoft website:
<https://portal.msrc.microsoft.com/en-us/security-guidance>.

Impacted Mindray Products:

The following table lists the impacted device and those hotfixes determined to be applicable to each device:

Product	OS	Hotfix	Download website	Necessary Pre-installed patch
BeneVision CMS	Windows 10 Professional SP1 64bit 1809	KB5029247	windows10.0-kb5029247-x64_9894baa6db2836dc3ddea322bc3128b8653005fc.msu	KB5005112 KB5003243 KB4587735
	Windows Server 2019	KB5029247	windows10.0-kb5029247-x64_9894baa6db2836dc3ddea322bc3128b8653005fc.msu	KB5005112 KB5003243 KB4587735
	Windows 10 1607 for 32-bit	KB5029242	windows10.0-kb5029242-x86_ae7c376a2d47baff5e7080cb7810b99c86e31323.msu	KB4498947 KB4132216
	Windows 10 1607 for x64-based	KB5029242	windows10.0-kb5029242-x64_de925ba31c7c1e38ce8b97da441784d2276d26b1.msu	KB4498947 KB4132216
	Windows Server 2012 R2	KB5029304	windows8.1-kb5029304-x64_375e9be6fb50278c97619f2ddb3532f24426fe62.msu	
	Windows Server 2016	KB5029242	windows10.0-kb5029242-x64_de925ba31c7c1e38ce8b97da441784d2276d26b1.msu	KB4498947 KB4132216
BeneVision CMS Viewer	Windows 10 Professional SP1 64bit 1809	KB5029247	windows10.0-kb5029247-x64_9894baa6db2836dc3ddea322bc3128b8653005fc.msu	KB5005112 KB5003243 KB4587735
	Windows 10 1607 for 32-bit	KB5029242	windows10.0-kb5029242-x86_ae7c376a2d47baff5e7080cb7810b99c86e31323.msu	KB4498947 KB4132216
	Windows 10 1607 for x64-based	KB5029242	windows10.0-kb5029242-x64_de925ba31c7c1e38ce8b97da441784d2276d26b1.msu	KB4498947 KB4132216
	Windows Server 2012 R2	KB5029312	windows8.1-kb5029312-x64_21a755f91fb3893406bdc316548f1ef6d054cb5e.msu	
Hypervisor X CMS	Windows 10 Professional SP1 64bit 1809	KB5029247	windows10.0-kb5029247-x64_9894baa6db2836dc3ddea322bc3128b8653005fc.msu	KB5005112 KB5003243 KB4587735
	Windows Server 2019	KB5029247	windows10.0-kb5029247-x64_9894baa6db2836dc3ddea322bc3128b8653005fc.msu	KB5005112 KB5003243 KB4587735
	Windows 10 1607 for 32-bit	KB5029242	windows10.0-kb5029242-x86_ae7c376a2d47baff5e7080cb7810b99c86e31323.msu	KB4498947 KB4132216

	Windows 10 1607 for x64- based	KB5029242	windows10.0-kb5029242- x64_de925ba31c7c1e38ce8b97da441784d2276d26b1.msu	KB4498947 KB4132216
eGateway	Windows 10 Professional SP1 64bit 1809	KB5029247	windows10.0-kb5029247- x64_9894baa6db2836dc3ddea322bc3128b8653005fc.msu	KB5005112 KB5003243 KB4587735
	Windows Server 2019	KB5029247	windows10.0-kb5029247- x64_9894baa6db2836dc3ddea322bc3128b8653005fc.msu	KB5005112 KB5003243 KB4587735
	Windows 10 1607 for x64- based	KB5029242	windows10.0-kb5029242- x64_de925ba31c7c1e38ce8b97da441784d2276d26b1.msu	KB4498947 KB4132216
	Windows Server 2012 R2	KB5029304	windows8.1-kb5029304- x64_375e9be6fb50278c97619f2ddb3532f24426fe62.msu	
	Windows Server 2016	KB5029242	windows10.0-kb5029242- x64_de925ba31c7c1e38ce8b97da441784d2276d26b1.msu	KB4498947 KB4132216
MLDAP Server	Windows 10 1607 for x64- based	KB5029242	windows10.0-kb5029242- x64_de925ba31c7c1e38ce8b97da441784d2276d26b1.msu	KB4498947 KB4132216
	Windows Server 2012 R2	KB5029312	windows8.1-kb5029312- x64_21a755f91fb3893406bdc316548f1ef6d054cb5e.msu	
	Windows Server 2016	KB5029242	windows10.0-kb5029242- x64_de925ba31c7c1e38ce8b97da441784d2276d26b1.msu	KB4498947 KB4132216
	Windows Server 2019	KB5029247	windows10.0-kb5029247- x64_9894baa6db2836dc3ddea322bc3128b8653005fc.msu	KB5005112 KB5003243 KB4587735
BeneVision Mobile Server	Windows Server 2016	KB5029242	windows10.0-kb5029242- x64_de925ba31c7c1e38ce8b97da441784d2276d26b1.msu	KB4498947 KB4132216
	Windows Server 2012 R2	KB5029312	windows8.1-kb5029312- x64_21a755f91fb3893406bdc316548f1ef6d054cb5e.msu	
	Windows Server 2019	KB5029247	windows10.0-kb5029247- x64_9894baa6db2836dc3ddea322bc3128b8653005fc.msu	KB5005112 KB5003243 KB4587735
iView	Windows 10 1607 for x64- based	KB5029242	windows10.0-kb5029242- x64_de925ba31c7c1e38ce8b97da441784d2276d26b1.msu	KB4498947 KB4132216

Conclusion and Recommendation:

We have validated that the Mindray products of the latest version can perform to specification with the applicable patches applied to the OS. It is recommended that the applicable patches defined in the table above should be installed on the affected Mindray products.

If you need information on how to obtain the approved patches or have any question, please feel free to contact Mindray regional service engineer or Mindray Service Department (email: service@mindray.com).

Thank you for your kind attention and cooperation.

Sincerely yours,

Mindray Service Department
Shenzhen Mindray Bio-Medical Electronics Co., Ltd.

Release Time: 2023-10-13