

## OVERVIEW

Biosense Webster, Inc. (BWI) has produced a software update that applies operating system patches and anti-virus signature updates to close known vulnerabilities in the operating system of the CARTO® 3 System. This update will be applied to CARTO® 3 Systems starting in April 2018, as part of the free-of-charge CARTO® 3 Version 6 (V6) base software version, which is designed to upgrade compatible CARTO® 3 Systems running Version 4 (V4).

## AFFECTED PRODUCTS

All CARTO® 3 Systems manufactured before April 2018 are affected and will be upgraded as BWI receives regulatory clearance for the new software version, CARTO® 3 V6.

## IMPACT

Operating system vulnerabilities exist when using the CARTO® 3 V4 system. If the system is networked, the network interface for CARTO® 3 V4 is sufficiently restricted by a software firewall to provide customers reasonable assurance that it will not be exploited remotely or via malware/ransomware. If an attacker has persistent physical access to a CARTO® 3 V4 system, the attacker could exploit the vulnerabilities in the operating system. This could allow the attacker to access information stored in the device, including individually identified health information about patients, affect the integrity of CARTO® 3, or deny availability of the device. If the CARTO® 3 V4 System is networked, an attacker with persistent physical access may also be able to access other systems within the customer's network.

## BACKGROUND

The affected product, the CARTO® 3 V4 System, is an advanced imaging device that uses electromagnetic technology to create real-time three-dimensional (3D) maps of a patient's cardiac structures. The system is designed to help electrophysiologists navigate the heart by generating an accurate 3D map, as well as pinpointing the exact location and orientation of catheters in the heart during diagnostic and therapeutic procedures for patients suffering from heart rhythm conditions (cardiac arrhythmias).

## VULNERABILITY CHARACTERIZATION

### VULNERABILITY OVERVIEW

The following vulnerabilities as identified by the Operating System manufacturer will be patched. Please note that installed KB #s may differ since this list is based on vulnerabilities.

CVE #	MS#	KB#	Title
N/A	MS17-004	3216771	MS17-004: Security Update for Local Security Authority Subsystem Service (3216771)
N/A	MS16-153	3207328	MS16-153: Security Update for Common Log File System Driver (3207328)
N/A	MS16-151	3205651	MS16-151: Security Update for Windows Kernel-Mode Drivers (3205651)
N/A	MS16-149	3205655	MS16-149: Security Update for Microsoft Windows (3205655)
N/A	MS16-147	3204063	MS16-147: Security Update for Microsoft Uniscribe (3204063)
N/A	MS16-146	3204066	MS16-146: Security Update for Microsoft Graphics Component (3204066)

N/A	MS16-142	3198467	MS16-142: Cumulative Security Update for Internet Explorer (3198467)
N/A	MS16-139	3199720	MS16-139: Security Update for Windows Kernel (3199720)
N/A	MS16-137	3199173	MS16-137: Security Update for Windows Authentication Methods (3199173)
N/A	MS16-135	3199135	MS16-135: Security Update for Windows Kernel-Mode Drivers (3199135)
N/A	MS16-134	3193706	MS16-134: Security Update for Common Log File System Driver (3193706)
N/A	MS16-132	3199120	MS16-132: Security Update for Microsoft Graphics Component (3199120)
N/A	MS16-131	3199151	MS16-131: Security Update for Microsoft Video Control (3199151)
N/A	MS16-130	3199172	MS16-130: Security Update for Microsoft Windows (3199172)
N/A	MS16-126	3196067	MS16-126: Security Update for Microsoft Internet Messaging API (3196067)
N/A	MS16-124	3193227	MS16-124: Security Update for Windows Registry (3193227)
N/A	MS16-123	3192892	MS16-123: Security Update for Windows Kernel-Mode Drivers (3192892)
N/A	MS16-122	3195360	MS16-122: Security Update for Microsoft Video Control (3195360)
N/A	MS16-120	3192884	MS16-120: Security Update for Microsoft Graphics Component (3192884)
N/A	MS16-118	3192887	MS16-118: Cumulative Security Update for Internet Explorer (3192887)
N/A	MS16-116	3188724	MS16-116: Security Update in OLE Automation for VBScript Scripting Engine (3188724)
N/A	MS16-114	3185879	MS16-114: Security Update for Windows SMBv1 Server (3185879)
N/A	MS16-111	3186973	MS16-111: Security Update for Windows Kernel (3186973)
N/A	MS16-106	3185848	MS16-106: Security Update for Microsoft Graphics Component (3185848)
N/A	MS16-101	3178465	MS16-101: Security Update for Windows Authentication Methods (3178465)
N/A	MS16-098	3178466	MS16-098: Security Update for Windows Kernel-Mode Drivers (3178466)
N/A	MS16-097	3177393	MS16-097: Security Update for Microsoft Graphics Component (3177393)
N/A	MS16-091	3170048	MS16-091: Security Update for .NET Framework (3170048)
N/A	MS16-090	3171481	MS16-090: Security Update for Windows Kernel-Mode Drivers (3171481)
N/A	MS16-087	3170005	MS16-087: Security Update for Windows Print Spooler Components (3170005)
N/A	MS16-082	3165270	MS16-082: Security Update for Microsoft Windows Search Component (3165270)
N/A	MS16-077	3165191	MS16-077: Security Update for WPAD (3165191)
N/A	MS16-075	3164038	MS16-075: Security Update for Windows SMB Server (3164038)
N/A	MS16-074	3164036	MS16-074: Security Update for Microsoft Graphics Component (3164036)
N/A	MS16-073	3164028	MS16-073: Security Update for Windows Kernel-Mode Drivers (3164028)
N/A	MS16-072	3163622	MS16-072: Security Update for Group Policy (3163622)
N/A	MS16-065	3156757	MS16-065: Security Update for .NET Framework (3156757)
N/A	MS16-062	3158222	MS16-062: Security Update for Windows Kernel-Mode Drivers (3158222)
N/A	MS16-061	3155520	MS16-061: Security Update for Microsoft RPC (3155520)
N/A	MS16-060	3154846	MS16-060: Security Update for Windows Kernel (3154846)

N/A	MS16-055	3156754	MS16-055: Security Update for Microsoft Graphics Component (3156754)
N/A	MS16-047	3148527	MS16-047: Security Update for SAM and LSAD Remote Protocols (3148527)
N/A	MS16-044	3146706	MS16-044: Security Update for Windows OLE (3146706)
N/A	MS16-040	3148541	MS16-040: Security Update for Microsoft XML Core Services (3148541)
N/A	MS16-039	3148522	MS16-039: Security Update for Microsoft Graphics Component (3148522)
N/A	MS16-035	3141780	MS16-035: Security Update for .NET Framework to Address Security Feature Bypass (3141780)
N/A	MS16-034	3143145	MS16-034: Security Update for Windows Kernel-Mode Drivers to Address Elevation of Privilege (3143145)
N/A	MS16-033	3143142	MS16-033: Security Update for Windows USB Mass Storage Class Driver to Address Elevation of Privilege (3143142)
N/A	MS16-032	3143141	MS16-032: Security Update for Secondary Logon to Address Elevation of Privilege (3143141)
N/A	MS16-031	3140410	MS16-031: Security Update for Microsoft Windows to Address Elevation of Privilege (3140410)
N/A	MS16-030	3143136	MS16-030: Security Update for Windows OLE to Address Remote Code Execution (3143136)
N/A	MS16-027	3143146	MS16-027: Security Update for Windows Media to Address Remote Code Execution (3143146)
N/A	MS16-026	3143148	MS16-026: Security Update for Graphic Fonts to Address Remote Code Execution (3143148)
N/A	MS16-019	3137893	MS16-019: Security Update for .NET Framework to Address Denial of Service (3137893)
N/A	MS16-018	3136082	MS16-018: Security Update for Windows Kernel-Mode Drivers to Address Elevation of Privilege (3136082)
N/A	MS16-017	3134700	MS16-017: Security Update for Remote Desktop Display Driver to Address Elevation of Privilege (3134700)
N/A	MS16-016	3136041	MS16-016: Security Update for WebDAV to Address Elevation of Privilege (3136041)
N/A	MS16-014	3134228	MS16-014: Security Update for Microsoft Windows to Address Remote Code Execution (3134228)
N/A	MS16-013	3134811	MS16-013: Security Update for Windows Journal to Address Remote Code Execution (3134811)
N/A	MS16-008	3124605	MS16-008: Security Update for Windows Kernel to Address Elevation of Privilege (3124605)
N/A	MS16-007	3124901	MS16-007: Security Update for Microsoft Windows to Address Remote Code Execution (3124901)
N/A	MS16-005	3124584	MS16-005: Security Update for Windows Kernel-Mode Drivers to Address Remote Code Execution (3124584)
N/A	MS16-001	3124903	MS16-001: Cumulative Security Update for Internet Explorer (3124903)
N/A	MS15-135	3119075	MS15-135: Security Update for Windows Kernel-Mode Drivers to Address Elevation of Privilege (3119075)
N/A	MS15-133	3116130	MS15-133: Security Update for Windows PGM to Address Elevation of Privilege (3116130)
N/A	MS15-132	3116162	MS15-132: Security Update for Microsoft Windows to Address Remote Code Execution (3116162)
N/A	MS15-130	3108670	MS15-130: Security Update for Microsoft Uniscribe to Address Remote Code Execution (3108670)
N/A	MS15-128	3104503	MS15-128: Security Update for Microsoft Graphics Component to Address Remote Code Execution (3104503)
N/A	MS15-124	3116180	MS15-124: Cumulative Security Update for Internet Explorer (3116180)
N/A	MS15-122	3105256	MS15-122: Security Update for Kerberos to Address Security Feature Bypass (3105256)
N/A	MS15-121	3081320	MS15-121: Security Update for Schannel to Address Spoofing (3081320)
N/A	MS15-119	3104521	MS15-119: Security Update for Winsock to Address Elevation of Privilege (3104521)

N/A	MS15-118	3104507	MS15-118: Security Update for .NET Framework to Address Elevation of Privilege (3104507)
N/A	MS15-117	3101722	MS15-117: Security Update for NDIS to Address Elevation of Privilege (3101722)
N/A	MS15-115	3105864	MS15-115: Security Update for Microsoft Windows to Address Remote Code Execution (3105864)
N/A	MS15-114	3100213	MS15-114: Security Update for Windows Journal to Address Remote Code Execution (3100213)
N/A	MS15-112	3104517	MS15-112: Cumulative Security Update for Internet Explorer (3104517)
N/A	MS15-111	3096447	MS15-111: Security Update for Windows Kernel to Address Elevation of Privilege (3096447)
N/A	MS15-109	3096443	MS15-109: Security Update for Windows Shell to Address Remote Code Execution (3096443)
N/A	MS15-106	3096441	MS15-106: Cumulative Security Update for Internet Explorer (3096441)
N/A	MS15-102	3089657	MS15-102: Vulnerabilities in Windows Task Management Could Allow Elevation of Privilege (3089657)
N/A	MS15-101	3089662	MS15-101: Vulnerabilities in .NET Framework Could Allow Elevation of Privilege (3089662)
N/A	MS15-098	3089669	MS15-098: Vulnerabilities in Windows Journal Could Allow Remote Code Execution (3089669)
N/A	MS15-097	3089656	MS15-097: Vulnerabilities in Microsoft Graphics Component Could Allow Remote Code Execution (3089656)
N/A	MS15-094	3089548	MS15-094: Cumulative Security Update for Internet Explorer (3089548)
N/A	MS15-090	3060716	MS15-090: Vulnerabilities in Microsoft Windows Could Allow Elevation of Privilege (3060716)
N/A	MS15-089	3076949	MS15-089: Vulnerability in WebDAV Could Allow Information Disclosure (3076949)
N/A	MS15-088	3082458	MS15-088: Unsafe Command Line Parameter Passing Could Allow Information Disclosure (3082458)
N/A	MS15-085	3082487	MS15-085: Vulnerability in Mount Manager Could Allow Elevation of Privilege (3082487)
N/A	MS15-084	3080129	MS15-084: Vulnerabilities in XML Core Services Could Allow Information Disclosure (3080129)
N/A	MS15-082	3080348	MS15-082: Vulnerabilities in RDP Could Allow Remote Code Execution (3080348)
N/A	MS15-080	3078662	MS15-080: Vulnerabilities in Microsoft Graphics Component Could Allow Remote Code Execution (3078662)
N/A	MS15-079	3082442	MS15-079: Cumulative Security Update for Internet Explorer (3082442)
N/A	MS15-078	3079904	MS15-078: Vulnerability in Microsoft Font Driver Could Allow Remote Code Execution (3079904)
N/A	MS15-077	3077657	MS15-077: Vulnerability in ATM Font Driver Could Allow Elevation of Privilege (3077657)
N/A	MS15-076	3067505	MS15-076: Vulnerability in Windows Remote Procedure Call Could Allow Elevation of Privilege (3067505)
N/A	MS15-075	3072633	MS15-075: Vulnerabilities in OLE Could Allow Elevation of Privilege (3072633)
N/A	MS15-074	3072630	MS15-074: Vulnerability in Windows Installer Service Could Allow Elevation of Privilege (3072630)
N/A	MS15-073	3070102	MS15-073: Vulnerabilities in Windows Kernel-Mode Driver Could Allow Elevation of Privilege (3070102)
N/A	MS15-072	3069392	MS15-072: Vulnerability in Windows Graphics Component Could Allow Elevation of Privilege (3069392)
N/A	MS15-069	3072631	MS15-069: Vulnerabilities in Windows Could Allow Remote Code Execution (3072631)
N/A	MS15-067	3073094	MS15-067: Vulnerability in RDP Could Allow Remote Code Execution (3073094)
N/A	MS15-065	3076321	MS15-065: Security Update for Internet Explorer (3076321)
N/A	MS15-063	3063858	MS15-063: Vulnerability in Windows Kernel Could Allow Elevation of Privilege (3063858)

N/A	MS15-061	3057839	MS15-061: Vulnerabilities in Windows Kernel-Mode Drivers Could Allow Elevation of Privilege (3057839)
N/A	MS15-060	3059317	MS15-060: Vulnerability in Microsoft Common Controls Could Allow Remote Code Execution (3059317)
N/A	MS15-057	3033890	MS15-057: Vulnerability in Windows Media Player Could Allow Remote Code Execution (3033890)
N/A	MS15-056	3058515	MS15-056: Cumulative Security Update for Internet Explorer (3058515)
N/A	MS15-055	3061518	MS15-055: Vulnerability in Schannel Could Allow Information Disclosure (3061518)
N/A	MS15-054	3051768	MS15-054: Vulnerability in Microsoft Management Console File Format Could Allow Denial of Service (3051768)
N/A	MS15-051	3057191	MS15-051: Vulnerabilities in Windows Kernel-Mode Drivers Could Allow Elevation of Privilege (3057191)
N/A	MS15-050	3055642	MS15-050: Vulnerability in Service Control Manager Could Allow Elevation of Privilege (3055642)
N/A	MS15-048	3057134	MS15-048: Vulnerabilities in .NET Framework Could Allow Elevation of Privilege (3057134)
N/A	MS15-045	3046002	MS15-045: Vulnerability in Windows Journal Could Allow Remote Code Execution (3046002)
N/A	MS15-044	3057110	MS15-044: Vulnerabilities in Microsoft Font Drivers Could Allow Remote Code Execution (3057110)
N/A	MS15-043	3049563	MS15-043: Cumulative Security Update for Internet Explorer (3049563)
N/A	MS15-041	3048010	MS15-041: Vulnerability in .NET Framework Could Allow Information Disclosure (3048010)
N/A	MS15-039	3046482	MS15-039: Vulnerability in XML Core Services Could Allow Security Feature Bypass (3046482)
N/A	MS15-038	3049576	MS15-038: Vulnerabilities in Microsoft Windows Could Allow Elevation of Privilege (3049576)
N/A	MS15-037	3046269	MS15-037: Vulnerability in Windows Task Scheduler Could Allow Elevation of Privilege (3046269)
N/A	MS15-035	3046306	MS15-035: Vulnerability in Microsoft Graphics Component Could Allow Remote Code Execution (3046306)
N/A	MS15-034	3042553	MS15-034: Vulnerability in HTTP.sys Could Allow Remote Code Execution (3042553)
N/A	MS15-032	3038314	MS15-032: Cumulative Security Update for Internet Explorer (3038314)
N/A	MS15-031	3046049	MS15-031: Vulnerability in Schannel Could Allow Security Feature Bypass (3046049)
N/A	MS15-030	3039976	MS15-030: Vulnerability in Remote Desktop Protocol Could Allow Denial of Service (3039976)
N/A	MS15-029	3035126	MS15-029: Vulnerability in Windows Photo Decoder Component Could Allow Information Disclosure (3035126)
N/A	MS15-028	3030377	MS15-028: Vulnerability in Windows Task Scheduler Could Allow Security Feature Bypass (3030377)
N/A	MS15-025	3038680	MS15-025: Vulnerabilities in Windows Kernel Could Allow Elevation of Privilege (3038680)
N/A	MS15-024	3035132	MS15-024: Vulnerability in PNG Processing Could Allow Information Disclosure (3035132)
N/A	MS15-023	3034344	MS15-023: Vulnerabilities in Kernel-Mode Driver Could Allow Elevation of Privilege (3034344)
N/A	MS15-021	3032323	MS15-021: Vulnerabilities in Adobe Font Driver Could Allow Remote Code Execution (3032323)
N/A	MS15-020	3041836	MS15-020: Vulnerabilities in Microsoft Windows Could Allow Remote Code Execution (3041836)
N/A	MS15-018	3032359	MS15-018: Cumulative Security Update for Internet Explorer (3032359)
N/A	MS15-016	3029944	MS15-016: Vulnerability in Microsoft Graphics Component Could Allow Information Disclosure (3029944)
N/A	MS15-015	3031432	MS15-015: Vulnerability in Microsoft Windows Could Allow Elevation of Privilege (3031432)
N/A	MS15-014	3004361	MS15-014: Vulnerability in Group Policy Could Allow Security Feature Bypass (3004361)

N/A	MS15-010	3036220	MS15-010: Vulnerabilities in Windows Kernel-Mode Driver Could Allow Remote Code Execution (3036220)
N/A	MS15-009	3034682	MS15-009: Security Update for Internet Explorer (3034682)
N/A	MS15-008	3019215	MS15-008: Vulnerability in Windows Kernel-Mode Driver Could Allow Elevation of Privilege (3019215)
N/A	MS15-005	3022777	MS15-005: Vulnerability in Network Location Awareness Service Could Allow Security Feature Bypass (3022777)
N/A	MS15-004	3025421	MS15-004: Vulnerability in Windows Components Could Allow Elevation of Privilege (3025421)
N/A	MS15-003	3021674	MS15-003: Vulnerability in Windows User Profile Service Could Allow Elevation of Privilege (3021674)
N/A	MS15-001	3023266	MS15-001: Vulnerability in Windows Application Compatibility Cache Could Allow Elevation of Privilege (3023266)
N/A	MS14-085	3013126	MS14-085: Vulnerability in Microsoft Graphics Component Could Allow Information Disclosure (3013126)
N/A	MS14-084	3016711	MS14-084: Vulnerability in VBScript Scripting Engine Could Allow Remote Code Execution (3016711)
N/A	MS14-080	3008923	MS14-080: Cumulative Security Update for Internet Explorer (3008923)
N/A	MS14-079	3002885	MS14-079: Vulnerability in Kernel-Mode Driver Could Allow Denial of Service (3002885)
N/A	MS14-078	2992719	MS14-078: Vulnerability in IME (Japanese) Could Allow Elevation of Privilege (2992719)
N/A	MS14-074	3003743	MS14-074: Vulnerability in Remote Desktop Protocol Could Allow Security Feature Bypass (3003743)
N/A	MS14-072	3005210	MS14-072: Vulnerability in .NET Framework Could Allow Elevation of Privilege (3005210)
N/A	MS14-071	3005607	MS14-071: Vulnerability in Windows Audio Service Could Allow Elevation of Privilege (3005607)
N/A	MS14-068	3011780	MS14-068: Vulnerability in Kerberos Could Allow Elevation of Privilege (3011780)
N/A	MS14-067	2993958	MS14-067: Vulnerability in XML Core Services Could Allow Remote Code Execution (2993958)
N/A	MS14-066	2992611	MS14-066: Vulnerability in Schannel Could Allow Remote Code Execution (2992611)
N/A	MS14-065	3003057	MS14-065: Cumulative Security Update for Internet Explorer (3003057)
N/A	MS14-064	3011443	MS14-064: Vulnerabilities in Windows OLE Could Allow Remote Code Execution (3011443)
N/A	MS14-060	3000869	MS14-060: Vulnerability in Windows OLE Could Allow Remote Code Execution (3000869)
N/A	MS14-058	3000061	MS14-058: Vulnerabilities in Kernel-Mode Driver Could Allow Remote Code Execution (3000061)
N/A	MS14-057	3000414	MS14-057: Vulnerabilities in .NET Framework Could Allow Remote Code Execution (3000414)
N/A	MS14-056	2987107	MS14-056: Cumulative Security Update for Internet Explorer (2987107)
N/A	MS14-053	2990931	MS14-053: Vulnerability in .NET Framework Could Allow Denial of Service (2990931)
N/A	MS14-052	2977629	MS14-052: Cumulative Security Update for Internet Explorer (2977629)
N/A	MS14-051	2976627	MS14-051: Cumulative Security Update for Internet Explorer (2976627)
N/A	MS14-049	2962490	MS14-049: Vulnerability in Windows Installer Service Could Allow Elevation of Privilege (2962490)
N/A	MS14-047	2978668	MS14-047: Vulnerability in LRPC Could Allow Security Feature Bypass (2978668)
N/A	MS14-046	2984625	MS14-046: Vulnerability in .NET Framework Could Allow Security Feature Bypass (2984625)
N/A	MS14-045	2984615	MS14-045: Vulnerabilities in Kernel-Mode Drivers Could Allow Elevation of Privilege (2984615)
N/A	MS14-041	2975681	MS14-041: Vulnerability in DirectShow Could Allow Elevation of Privilege (2975681)

N/A	MS14-040	2975684	MS14-040: Vulnerability in Ancillary Function Driver (AFD) Could Allow Elevation of Privilege (2975684)
N/A	MS14-039	2975685	MS14-039: Vulnerability in On-Screen Keyboard Could Allow Elevation of Privilege (2975685)
N/A	MS14-038	2975689	MS14-038: Vulnerability in Windows Journal Could Allow Remote Code Execution (2975689)
N/A	MS14-037	2975687	MS14-037: Cumulative Security Update for Internet Explorer (2975687)
N/A	MS14-036	2967487	MS14-036: Vulnerabilities in Microsoft Graphics Component Could Allow Remote Code Execution (2967487)
N/A	MS14-035	2969262	MS14-035: Cumulative Security Update for Internet Explorer (2969262)
N/A	MS14-033	2966061	MS14-033: Vulnerability in Microsoft XML Core Services Could Allow Information Disclosure (2966061)
N/A	MS14-031	2962478	MS14-031: Vulnerability in TCP Protocol Could Allow Denial of Service (2962478)
N/A	MS14-030	2969259	MS14-030: Vulnerability in Remote Desktop Could Allow Tampering (2969259)
N/A	MS14-029	2962482	MS14-029: Security Update for Internet Explorer (2962482)
N/A	MS14-027	2962488	MS14-027: Vulnerability in Windows Shell Handler Could Allow Elevation of Privilege (2962488)
N/A	MS14-026	2958732	MS14-026: Vulnerability in .NET Framework Could Allow Elevation of Privilege (2958732)
N/A	MS14-021	2965111	MS14-021: Security Update for Internet Explorer (2965111)
N/A	MS14-019	2922229	MS14-019: Vulnerability in Windows File Handling Component Could Allow Remote Code Execution (2922229)
N/A	MS14-018	2950467	MS14-018: Cumulative Security Update for Internet Explorer (2950467)
N/A	MS14-015	2930275	MS14-015: Vulnerabilities in Windows Kernel-Mode Driver Could Allow Elevation of Privilege (2930275)
N/A	MS14-013	2929961	MS14-013: Vulnerability in Microsoft DirectShow Could Allow Remote Code Execution (2929961)
N/A	MS14-012	2925418	MS14-012: Cumulative Security Update for Internet Explorer (2925418)
N/A	MS14-011	2928390	MS14-011: Vulnerability in VBScript Scripting Engine Could Allow Remote Code Execution (2928390)
N/A	MS14-010	2909921	MS14-010: Cumulative Security Update for Internet Explorer (2909921)
N/A	MS14-009	2916607	MS14-009: Vulnerabilities in .NET Framework Could Allow Elevation of Privilege (2916607)
N/A	MS14-005	2916036	MS14-005: Vulnerability in Microsoft XML Core Services Could Allow Information Disclosure (2916036)
N/A	MS14-003	2913602	MS14-003: Vulnerability in Windows Kernel-Mode Drivers Could Allow Elevation of Privilege (2913602)
N/A	MS13-101	2880430	MS13-101: Vulnerabilities in Windows Kernel-Mode Drivers Could Allow Elevation of Privilege (2880430)
N/A	MS13-099	2909158	MS13-099: Vulnerability in Microsoft Scripting Runtime Object Library Could Allow Remote Code Execution (2909158)
N/A	MS13-098	2893294	MS13-098: Vulnerability in Windows Could Allow Remote Code Execution (2893294)
N/A	MS13-097	2898785	MS13-097: Cumulative Security Update for Internet Explorer (2898785)
N/A	MS13-095	2868626	MS13-095: Vulnerability in Digital Signatures Could Allow Denial of Service (2868626)
N/A	MS13-093	2875783	MS13-093: Vulnerability in Windows Ancillary Function Driver Could Allow Information Disclosure (2875783)
N/A	MS13-090	2900986	MS13-090: Cumulative Security Update of ActiveX Kill Bits (2900986)
N/A	MS13-089	2876331	MS13-089: Vulnerability in Windows Graphics Device Interface Could Allow Remote Code Execution (2876331)
N/A	MS13-088	2888505	MS13-088: Cumulative Security Update for Internet Explorer (2888505)

N/A	MS13-082	2878890	MS13-082: Vulnerabilities in .NET Framework Could Allow Remote Code Execution (2878890)
N/A	MS13-081	2870008	MS13-081: Vulnerabilities in Windows Kernel-Mode Drivers Could Allow Remote Code Execution (2870008)
N/A	MS13-052	2861561	MS13-052: Vulnerabilities in .NET Framework and Silverlight Could Allow Remote Code Execution (2861561)
N/A	MS13-040	2836440	MS13-040: Vulnerabilities in .NET Framework Could Allow Spoofing (2836440)
N/A	MS13-004	2769324	MS13-004: Vulnerabilities in .NET Framework Could Allow Elevation of Privilege (2769324)
N/A	MS12-074	2745030	MS12-074: Vulnerabilities in .NET Framework Could Allow Remote Code Execution (2745030)
CVE-2013-6629	N/A	N/A	Microsoft CVE-2013-6629: libjpeg Information Disclosure Vulnerability
CVE-2017-0005	N/A	N/A	Microsoft CVE-2017-0005: Windows GDI Elevation of Privilege Vulnerability
CVE-2017-0014	N/A	N/A	Microsoft CVE-2017-0014: Windows Graphics Component Remote Code Execution Vulnerability
CVE-2017-0022	N/A	N/A	Microsoft CVE-2017-0022: Microsoft XML Core Services Information Disclosure Vulnerability
CVE-2017-0025	N/A	N/A	Microsoft CVE-2017-0025: Windows GDI Elevation of Privilege Vulnerability
CVE-2017-0038	N/A	N/A	Microsoft CVE-2017-0038: Windows Graphics Component Information Disclosure Vulnerability
CVE-2017-0039	N/A	N/A	Microsoft CVE-2017-0039: Windows DLL Loading Remote Code Execution Vulnerability
CVE-2017-0042	N/A	N/A	Microsoft CVE-2017-0042: Windows DirectShow Information Disclosure Vulnerability
CVE-2017-0043	N/A	N/A	Microsoft CVE-2017-0043: Microsoft Active Directory Federation Services Information Disclosure Vulnerability
CVE-2017-0045	N/A	N/A	Microsoft CVE-2017-0045: Windows DVD Maker Cross-Site Request Forgery Vulnerability
CVE-2017-0047	N/A	N/A	Microsoft CVE-2017-0047: Windows GDI Elevation of Privilege Vulnerability
CVE-2017-0050	N/A	N/A	Microsoft CVE-2017-0050: Windows Kernel Elevation of Privilege Vulnerability
CVE-2017-0055	N/A	N/A	Microsoft CVE-2017-0055: Microsoft IIS Server XSS Elevation of Privilege Vulnerability
CVE-2017-0056	N/A	N/A	Microsoft CVE-2017-0056: Win32k Elevation of Privilege Vulnerability
CVE-2017-0058	N/A	N/A	Microsoft CVE-2017-0058: Win32k Information Disclosure Vulnerability
CVE-2017-0060	N/A	N/A	Microsoft CVE-2017-0060: Windows GDI+ Information Disclosure Vulnerability
CVE-2017-0061	N/A	N/A	Microsoft CVE-2017-0061: Microsoft Color Management Information Disclosure Vulnerability
CVE-2017-0062	N/A	N/A	Microsoft CVE-2017-0062: Windows GDI+ Information Disclosure Vulnerability
CVE-2017-0063	N/A	N/A	Microsoft CVE-2017-0063: Microsoft Color Management Information Disclosure Vulnerability
CVE-2017-0064	N/A	N/A	Microsoft CVE-2017-0064: Internet Explorer Security Feature Bypass Vulnerability
CVE-2017-0072	N/A	N/A	Microsoft CVE-2017-0072: Windows Uniscribe Remote Code Execution Vulnerability
CVE-2017-0073	N/A	N/A	Microsoft CVE-2017-0073: Windows GDI+ Information Disclosure Vulnerability
CVE-2017-0075	N/A	N/A	Microsoft CVE-2017-0075: Hyper-V Remote Code Execution Vulnerability
CVE-2017-0076	N/A	N/A	Microsoft CVE-2017-0076: Hyper-V Denial of Service Vulnerability
CVE-2017-0077	N/A	N/A	Microsoft CVE-2017-0077: Dlgkrnl.sys Elevation of Privilege Vulnerability
CVE-2017-0083	N/A	N/A	Microsoft CVE-2017-0083: Windows Uniscribe Remote Code Execution Vulnerability



CVE-2017-0084	N/A	N/A	Microsoft CVE-2017-0084: Windows Uniscribe Remote Code Execution Vulnerability
CVE-2017-0085	N/A	N/A	Microsoft CVE-2017-0085: Windows Uniscribe Information Disclosure Vulnerability
CVE-2017-0086	N/A	N/A	Microsoft CVE-2017-0086: Windows Uniscribe Remote Code Execution Vulnerability
CVE-2017-0087	N/A	N/A	Microsoft CVE-2017-0087: Windows Uniscribe Remote Code Execution Vulnerability
CVE-2017-0088	N/A	N/A	Microsoft CVE-2017-0088: Windows Uniscribe Remote Code Execution Vulnerability
CVE-2017-0089	N/A	N/A	Microsoft CVE-2017-0089: Windows Uniscribe Remote Code Execution Vulnerability
CVE-2017-0090	N/A	N/A	Microsoft CVE-2017-0090: Windows Uniscribe Remote Code Execution Vulnerability
CVE-2017-0091	N/A	N/A	Microsoft CVE-2017-0091: Windows Uniscribe Information Disclosure Vulnerability
CVE-2017-0092	N/A	N/A	Microsoft CVE-2017-0092: Windows Uniscribe Information Disclosure Vulnerability
CVE-2017-0096	N/A	N/A	Microsoft CVE-2017-0096: Hyper-V Information Disclosure Vulnerability
CVE-2017-0097	N/A	N/A	Microsoft CVE-2017-0097: Hyper-V Denial of Service Vulnerability
CVE-2017-0099	N/A	N/A	Microsoft CVE-2017-0099: Hyper-V Denial of Service Vulnerability
CVE-2017-0100	N/A	N/A	Microsoft CVE-2017-0100: Windows HelpPane Elevation of Privilege Vulnerability
CVE-2017-0101	N/A	N/A	Microsoft CVE-2017-0101: Windows Elevation of Privilege Vulnerability
CVE-2017-0102	N/A	N/A	Microsoft CVE-2017-0102: Windows Elevation of Privilege Vulnerability
CVE-2017-0103	N/A	N/A	Microsoft CVE-2017-0103: Windows Registry Elevation of Privilege Vulnerability
CVE-2017-0104	N/A	N/A	Microsoft CVE-2017-0104: iSNS Server Memory Corruption Vulnerability
CVE-2017-0108	N/A	N/A	Microsoft CVE-2017-0108: Graphics Component Remote Code Execution Vulnerability
CVE-2017-0109	N/A	N/A	Microsoft CVE-2017-0109: Hyper-V Remote Code Execution Vulnerability
CVE-2017-0111	N/A	N/A	Microsoft CVE-2017-0111: Windows Uniscribe Information Disclosure Vulnerability
CVE-2017-0112	N/A	N/A	Microsoft CVE-2017-0112: Windows Uniscribe Information Disclosure Vulnerability
CVE-2017-0113	N/A	N/A	Microsoft CVE-2017-0113: Windows Uniscribe Information Disclosure Vulnerability
CVE-2017-0114	N/A	N/A	Microsoft CVE-2017-0114: Windows Uniscribe Information Disclosure Vulnerability
CVE-2017-0115	N/A	N/A	Microsoft CVE-2017-0115: Windows Uniscribe Information Disclosure Vulnerability
CVE-2017-0116	N/A	N/A	Microsoft CVE-2017-0116: Windows Uniscribe Information Disclosure Vulnerability
CVE-2017-0117	N/A	N/A	Microsoft CVE-2017-0117: Windows Uniscribe Information Disclosure Vulnerability
CVE-2017-0118	N/A	N/A	Microsoft CVE-2017-0118: Windows Uniscribe Information Disclosure Vulnerability
CVE-2017-0119	N/A	N/A	Microsoft CVE-2017-0119: Windows Uniscribe Information Disclosure Vulnerability
CVE-2017-0120	N/A	N/A	Microsoft CVE-2017-0120: Windows Uniscribe Information Disclosure Vulnerability
CVE-2017-0121	N/A	N/A	Microsoft CVE-2017-0121: Windows Uniscribe Information Disclosure Vulnerability
CVE-2017-0122	N/A	N/A	Microsoft CVE-2017-0122: Windows Uniscribe Information Disclosure Vulnerability
CVE-2017-0123	N/A	N/A	Microsoft CVE-2017-0123: Windows Uniscribe Information Disclosure Vulnerability

CVE-2017-0124	N/A	N/A	Microsoft CVE-2017-0124: Windows Uniscribe Information Disclosure Vulnerability
CVE-2017-0125	N/A	N/A	Microsoft CVE-2017-0125: Windows Uniscribe Information Disclosure Vulnerability
CVE-2017-0126	N/A	N/A	Microsoft CVE-2017-0126: Windows Uniscribe Information Disclosure Vulnerability
CVE-2017-0127	N/A	N/A	Microsoft CVE-2017-0127: Windows Uniscribe Information Disclosure Vulnerability
CVE-2017-0128	N/A	N/A	Microsoft CVE-2017-0128: Windows Uniscribe Information Disclosure Vulnerability
CVE-2017-0143	N/A	N/A	Microsoft CVE-2017-0143: Windows SMB Remote Code Execution Vulnerability
CVE-2017-0144	N/A	N/A	Microsoft CVE-2017-0144: Windows SMB Remote Code Execution Vulnerability
CVE-2017-0145	N/A	N/A	Microsoft CVE-2017-0145: Windows SMB Remote Code Execution Vulnerability
CVE-2017-0146	N/A	N/A	Microsoft CVE-2017-0146: Windows SMB Remote Code Execution Vulnerability
CVE-2017-0147	N/A	N/A	Microsoft CVE-2017-0147: Windows SMB Information Disclosure Vulnerability
CVE-2017-0148	N/A	N/A	Microsoft CVE-2017-0148: Windows SMB Remote Code Execution Vulnerability
CVE-2017-0155	N/A	N/A	Microsoft CVE-2017-0155: Windows Graphics Elevation of Privilege Vulnerability
CVE-2017-0156	N/A	N/A	Microsoft CVE-2017-0156: Windows Graphics Component Elevation of Privilege Vulnerability
CVE-2017-0158	N/A	N/A	Microsoft CVE-2017-0158: Scripting Engine Memory Corruption Vulnerability
CVE-2017-0163	N/A	N/A	Microsoft CVE-2017-0163: Hyper-V Remote Code Execution Vulnerability
CVE-2017-0166	N/A	N/A	Microsoft CVE-2017-0166: LDAP Elevation of Privilege Vulnerability
CVE-2017-0167	N/A	N/A	Microsoft CVE-2017-0167: Windows Kernel Information Disclosure Vulnerability
CVE-2017-0168	N/A	N/A	Microsoft CVE-2017-0168: Hyper-V Information Disclosure Vulnerability
CVE-2017-0170	N/A	N/A	Microsoft CVE-2017-0170: Windows Performance Monitor Information Disclosure Vulnerability
CVE-2017-0171	N/A	N/A	Microsoft CVE-2017-0171: Windows DNS Server Denial of Service Vulnerability
CVE-2017-0175	N/A	N/A	Microsoft CVE-2017-0175: Windows Kernel Information Disclosure Vulnerability
CVE-2017-0180	N/A	N/A	Microsoft CVE-2017-0180: Hyper-V Remote Code Execution Vulnerability
CVE-2017-0182	N/A	N/A	Microsoft CVE-2017-0182: Hyper-V Denial of Service Vulnerability
CVE-2017-0183	N/A	N/A	Microsoft CVE-2017-0183: Hyper-V Denial of Service Vulnerability
CVE-2017-0184	N/A	N/A	Microsoft CVE-2017-0184: Hyper-V Denial of Service Vulnerability
CVE-2017-0190	N/A	N/A	Microsoft CVE-2017-0190: Windows GDI Information Disclosure Vulnerability
CVE-2017-0191	N/A	N/A	Microsoft CVE-2017-0191: Windows Denial of Service Vulnerability
CVE-2017-0192	N/A	N/A	Microsoft CVE-2017-0192: ATMF.DLL Information Disclosure Vulnerability
CVE-2017-0193	N/A	N/A	Microsoft CVE-2017-0193: Hypervisor Code Integrity Elevation of Privilege Vulnerability
CVE-2017-0199	N/A	N/A	Microsoft CVE-2017-0199: Microsoft Office/WordPad Remote Code Execution Vulnerability w/Windows API
CVE-2017-0213	N/A	N/A	Microsoft CVE-2017-0213: Windows COM Elevation of Privilege Vulnerability
CVE-2017-0214	N/A	N/A	Microsoft CVE-2017-0214: Windows COM Elevation of Privilege Vulnerability

CVE-2017-0220	N/A	N/A	Microsoft CVE-2017-0220: Windows Kernel Information Disclosure Vulnerability
CVE-2017-0222	N/A	N/A	Microsoft CVE-2017-0222: Internet Explorer Memory Corruption Vulnerability
CVE-2017-0226	N/A	N/A	Microsoft CVE-2017-0226: Internet Explorer Memory Corruption Vulnerability
CVE-2017-0231	N/A	N/A	Microsoft CVE-2017-0231: Microsoft Browser Spoofing Vulnerability
CVE-2017-0238	N/A	N/A	Microsoft CVE-2017-0238: Scripting Engine Memory Corruption Vulnerability
CVE-2017-0242	N/A	N/A	Microsoft CVE-2017-0242: Microsoft ActiveX Information Disclosure Vulnerability
CVE-2017-0244	N/A	N/A	Microsoft CVE-2017-0244: Windows Kernel Elevation of Privilege Vulnerability
CVE-2017-0245	N/A	N/A	Microsoft CVE-2017-0245: Win32k Information Disclosure Vulnerability
CVE-2017-0246	N/A	N/A	Microsoft CVE-2017-0246: Win32k Elevation of Privilege Vulnerability
CVE-2017-0248	N/A	N/A	Microsoft CVE-2017-0248: .Net Security Feature Bypass Vulnerability
CVE-2017-0258	N/A	N/A	Microsoft CVE-2017-0258: Windows Kernel Information Disclosure Vulnerability
CVE-2017-0260	N/A	N/A	Microsoft CVE-2017-0260: Microsoft Office Remote Code Execution
CVE-2017-0263	N/A	N/A	Microsoft CVE-2017-0263: Win32k Elevation of Privilege Vulnerability
CVE-2017-0267	N/A	N/A	Microsoft CVE-2017-0267: Windows SMB Information Disclosure Vulnerability
CVE-2017-0268	N/A	N/A	Microsoft CVE-2017-0268: Windows SMB Information Disclosure Vulnerability
CVE-2017-0269	N/A	N/A	Microsoft CVE-2017-0269: Windows SMB Denial of Service Vulnerability
CVE-2017-0270	N/A	N/A	Microsoft CVE-2017-0270: Windows SMB Information Disclosure Vulnerability
CVE-2017-0271	N/A	N/A	Microsoft CVE-2017-0271: Windows SMB Information Disclosure Vulnerability
CVE-2017-0272	N/A	N/A	Microsoft CVE-2017-0272: Windows SMB Remote Code Execution Vulnerability
CVE-2017-0273	N/A	N/A	Microsoft CVE-2017-0273: Windows SMB Denial of Service Vulnerability
CVE-2017-0274	N/A	N/A	Microsoft CVE-2017-0274: Windows SMB Information Disclosure Vulnerability
CVE-2017-0275	N/A	N/A	Microsoft CVE-2017-0275: Windows SMB Information Disclosure Vulnerability
CVE-2017-0276	N/A	N/A	Microsoft CVE-2017-0276: Windows SMB Information Disclosure Vulnerability
CVE-2017-0277	N/A	N/A	Microsoft CVE-2017-0277: Windows SMB Remote Code Execution Vulnerability
CVE-2017-0278	N/A	N/A	Microsoft CVE-2017-0278: Windows SMB Remote Code Execution Vulnerability
CVE-2017-0279	N/A	N/A	Microsoft CVE-2017-0279: Windows SMB Remote Code Execution Vulnerability
CVE-2017-0280	N/A	N/A	Microsoft CVE-2017-0280: Windows SMB Denial of Service Vulnerability
CVE-2017-0282	N/A	N/A	Microsoft CVE-2017-0282: Windows Uniscribe Information Disclosure Vulnerability
CVE-2017-0283	N/A	N/A	Microsoft CVE-2017-0283: Windows Uniscribe Remote Code Execution Vulnerability
CVE-2017-0284	N/A	N/A	Microsoft CVE-2017-0284: Windows Uniscribe Information Disclosure Vulnerability
CVE-2017-0285	N/A	N/A	Microsoft CVE-2017-0285: Windows Uniscribe Information Disclosure Vulnerability
CVE-2017-0286	N/A	N/A	Microsoft CVE-2017-0286: Windows Graphics Information Disclosure Vulnerability

CVE-2017-0287	N/A	N/A	Microsoft CVE-2017-0287: Windows Graphics Information Disclosure Vulnerability
CVE-2017-0288	N/A	N/A	Microsoft CVE-2017-0288: Windows Graphics Information Disclosure Vulnerability
CVE-2017-0289	N/A	N/A	Microsoft CVE-2017-0289: Windows Graphics Information Disclosure Vulnerability
CVE-2017-0294	N/A	N/A	Microsoft CVE-2017-0294: Windows Remote Code Execution Vulnerability
CVE-2017-0296	N/A	N/A	Microsoft CVE-2017-0296: Windows TDX Elevation of Privilege Vulnerability
CVE-2017-0297	N/A	N/A	Microsoft CVE-2017-0297: Windows Kernel Elevation of Privilege Vulnerability
CVE-2017-0298	N/A	N/A	Microsoft CVE-2017-0298: Windows COM Session Elevation of Privilege Vulnerability
CVE-2017-0300	N/A	N/A	Microsoft CVE-2017-0300: Windows Kernel Information Disclosure Vulnerability
CVE-2017-8462	N/A	N/A	Microsoft CVE-2017-8462: Windows Kernel Information Disclosure Vulnerability
CVE-2017-8463	N/A	N/A	Microsoft CVE-2017-8463: Windows Explorer Remote Code Execution Vulnerability
CVE-2017-8464	N/A	N/A	Microsoft CVE-2017-8464: LNK Remote Code Execution Vulnerability
CVE-2017-8467	N/A	N/A	Microsoft CVE-2017-8467: Win32k Elevation of Privilege Vulnerability
CVE-2017-8469	N/A	N/A	Microsoft CVE-2017-8469: Windows Kernel Information Disclosure Vulnerability
CVE-2017-8470	N/A	N/A	Microsoft CVE-2017-8470: Win32k Information Disclosure Vulnerability
CVE-2017-8471	N/A	N/A	Microsoft CVE-2017-8471: Win32k Information Disclosure Vulnerability
CVE-2017-8472	N/A	N/A	Microsoft CVE-2017-8472: Win32k Information Disclosure Vulnerability
CVE-2017-8473	N/A	N/A	Microsoft CVE-2017-8473: Win32k Information Disclosure Vulnerability
CVE-2017-8475	N/A	N/A	Microsoft CVE-2017-8475: Win32k Information Disclosure Vulnerability
CVE-2017-8476	N/A	N/A	Microsoft CVE-2017-8476: Windows Kernel Information Disclosure Vulnerability
CVE-2017-8477	N/A	N/A	Microsoft CVE-2017-8477: Win32k Information Disclosure Vulnerability
CVE-2017-8478	N/A	N/A	Microsoft CVE-2017-8478: Windows Kernel Information Disclosure Vulnerability
CVE-2017-8479	N/A	N/A	Microsoft CVE-2017-8479: Windows Kernel Information Disclosure Vulnerability
CVE-2017-8480	N/A	N/A	Microsoft CVE-2017-8480: Windows Kernel Information Disclosure Vulnerability
CVE-2017-8481	N/A	N/A	Microsoft CVE-2017-8481: Windows Kernel Information Disclosure Vulnerability
CVE-2017-8482	N/A	N/A	Microsoft CVE-2017-8482: Windows Kernel Information Disclosure Vulnerability
CVE-2017-8483	N/A	N/A	Microsoft CVE-2017-8483: Windows Kernel Information Disclosure Vulnerability
CVE-2017-8484	N/A	N/A	Microsoft CVE-2017-8484: Win32k Information Disclosure Vulnerability
CVE-2017-8485	N/A	N/A	Microsoft CVE-2017-8485: Windows Kernel Information Disclosure Vulnerability
CVE-2017-8486	N/A	N/A	Microsoft CVE-2017-8486: Win32k Information Disclosure Vulnerability
CVE-2017-8488	N/A	N/A	Microsoft CVE-2017-8488: Windows Kernel Information Disclosure Vulnerability
CVE-2017-8489	N/A	N/A	Microsoft CVE-2017-8489: Windows Kernel Information Disclosure Vulnerability
CVE-2017-8490	N/A	N/A	Microsoft CVE-2017-8490: Windows Kernel Information Disclosure Vulnerability

CVE-2017-8491	N/A	N/A	Microsoft CVE-2017-8491: Windows Kernel Information Disclosure Vulnerability
CVE-2017-8492	N/A	N/A	Microsoft CVE-2017-8492: Windows Kernel Information Disclosure Vulnerability
CVE-2017-8495	N/A	N/A	Microsoft CVE-2017-8495: Kerberos SNAME Security Feature Bypass Vulnerability
CVE-2017-8527	N/A	N/A	Microsoft CVE-2017-8527: Windows Graphics Remote Code Execution Vulnerability
CVE-2017-8528	N/A	N/A	Microsoft CVE-2017-8528: Windows Uniscribe Remote Code Execution Vulnerability
CVE-2017-8531	N/A	N/A	Microsoft CVE-2017-8531: Windows Graphics Information Disclosure Vulnerability
CVE-2017-8532	N/A	N/A	Microsoft CVE-2017-8532: Windows Graphics Information Disclosure Vulnerability
CVE-2017-8533	N/A	N/A	Microsoft CVE-2017-8533: Windows Graphics Information Disclosure Vulnerability
CVE-2017-8534	N/A	N/A	Microsoft CVE-2017-8534: Windows Uniscribe Information Disclosure Vulnerability
CVE-2017-8543	N/A	N/A	Microsoft CVE-2017-8543: Windows Search Remote Code Execution Vulnerability
CVE-2017-8544	N/A	N/A	Microsoft CVE-2017-8544: Windows Search Information Disclosure Vulnerability
CVE-2017-8552	N/A	N/A	Microsoft CVE-2017-8552: Win32k Elevation of Privilege Vulnerability
CVE-2017-8553	N/A	N/A	Microsoft CVE-2017-8553: GDI Information Disclosure Vulnerability
CVE-2017-8554	N/A	N/A	Microsoft CVE-2017-8554: Win32k Information Disclosure Vulnerability
CVE-2017-8556	N/A	N/A	Microsoft CVE-2017-8556: Microsoft Graphics Component Elevation of Privilege Vulnerability
CVE-2017-8557	N/A	N/A	Microsoft CVE-2017-8557: Windows System Information Console Information Disclosure Vulnerability
CVE-2017-8564	N/A	N/A	Microsoft CVE-2017-8564: Windows Kernel Information Disclosure Vulnerability
CVE-2017-8565	N/A	N/A	Microsoft CVE-2017-8565: Windows PowerShell Remote Code Execution Vulnerability
CVE-2017-8573	N/A	N/A	Microsoft CVE-2017-8573: Microsoft Graphics Component Elevation of Privilege Vulnerability
CVE-2017-8577	N/A	N/A	Microsoft CVE-2017-8577: Win32k Elevation of Privilege Vulnerability
CVE-2017-8578	N/A	N/A	Microsoft CVE-2017-8578: Win32k Elevation of Privilege Vulnerability
CVE-2017-8580	N/A	N/A	Microsoft CVE-2017-8580: Win32k Elevation of Privilege Vulnerability
CVE-2017-8581	N/A	N/A	Microsoft CVE-2017-8581: Win32k Elevation of Privilege Vulnerability
CVE-2017-8582	N/A	N/A	Microsoft CVE-2017-8582: Http.sys Information Disclosure Vulnerability
CVE-2017-8587	N/A	N/A	Microsoft CVE-2017-8587: Windows Explorer Denial of Service Vulnerability
CVE-2017-8588	N/A	N/A	Microsoft CVE-2017-8588: WordPad Remote Code Execution Vulnerability
CVE-2017-8589	N/A	N/A	Microsoft CVE-2017-8589: Windows Search Remote Code Execution Vulnerability
CVE-2017-8590	N/A	N/A	Microsoft CVE-2017-8590: Windows CLFS Elevation of Privilege Vulnerability
CVE-2017-8592	N/A	N/A	Microsoft CVE-2017-8592: Microsoft Browser Security Feature Bypass

## VULNERABILITY DETAILS

## EXPLOITABILITY

These vulnerabilities cannot be exploited remotely. Even if the CARTO® 3 V4 systems is networked, its network interface is restricted by a software firewall. These vulnerabilities require physical access to the CARTO® 3 V4 system to exploit.

#### **EXISTENCE OF EXPLOIT**

Exploits that target these vulnerabilities exist and are publicly available.

#### **DIFFICULTY**

An attacker with physical access to the device and knowledge of the public exploits would be able to exploit these vulnerabilities.

#### **MITIGATION**

Physical security for the CARTO® 3 System is a critical control that must be employed by device users to limit the exposure of identified risks and vulnerabilities that can be exploited with persistent physical access to the device.

Biosense Webster will be contacting customers to initiate the software update in the field to address vulnerabilities within the CARTO® 3 system.

Users with questions regarding the CARTO® 3 system are advised to contact their BWI sales representative or service technician.

Please see the Johnson & Johnson Product Security website for the latest security information for Products of the Johnson & Johnson Family of Companies:

<http://productsecurity.jnj.com>.