

INDEPENDENT ACCOUNTANT'S REPORT

To the management of Microsoft Public Key Infrastructure Services ("MS PKI Services"):

Scope

We have examined MS PKI Services management's [assertion](#) that for its Certification Authority ("CA") operations at locations enumerated in [Attachment B](#), for CAs as enumerated in [Attachment A](#), MS PKI Services has:

- maintained effective controls to provide reasonable assurance that it meets the Network and Certificate System Security Requirements as set forth by the CA/Browser Forum

throughout the period May 1, 2025 to April 30, 2026 based on the [WebTrust Principles and Criteria for Certification Authorities – Network Security, v1.7](#).

There are other CA hierarchies and PKI operations across Microsoft that are not managed by MS PKI services. These CA hierarchies and PKI operations are not in the scope of this examination, and this opinion does not extend to these services.

While the MS PKI Services management's [assertion](#) enumerates matters disclosed publicly on Mozilla's Bugzilla reporting system throughout the period May 1, 2025 to April 30, 2026, we noted that those matters were not relevant to the CAs enumerated in [Attachment A](#) and applicable to the [WebTrust Principles and Criteria for Certification Authorities – Network Security, v1.7](#).

Certification authority's responsibilities

MS PKI Services' management is responsible for its assertion, including the fairness of its presentation, and the provision of its described services in accordance with the WebTrust Principles and Criteria for Certification Authorities – Network Security, v1.7.

Practitioner's responsibilities

Our responsibility is to express an opinion, based on our examination. Our examination was conducted in accordance with AT-C Section 205, *Assertion-Based Examination Engagements*, established by the American Institute of Certified Public Accountants, and International Standard on Assurance Engagements ("ISAE") 3000, *Assurance Engagements Other Than Audits Or Reviews Of Historical Financial Information*. Those standards require that we plan and perform our examination to obtain reasonable assurance about whether management's assertion is fairly stated, in all material respects. An examination involves performing procedures to obtain evidence about management's assertion. The nature, timing, and extent of the procedures selected depend on our judgment, including an assessment of the risks of material misstatement of management's assertion, whether due to fraud or error. We believe that the evidence we obtained is sufficient and appropriate to provide a reasonable basis for our opinion.

Our independence and quality control

We are required to be independent and to meet other ethical responsibilities in accordance with the Code of Professional Conduct established by the American Institute of Certified Public Accountants ("AICPA") and Code of Ethics for Professional Accountants (including International Independence Standards) issued by the International Ethics Standards Board of Accountants' ("IESBA"). We have complied with those requirements. We applied the Statements on Quality Control Standards established by the AICPA and the International Standards on Quality Management issued by the International Auditing and Assurance Standards Board ("IAASB") and, accordingly, maintain a comprehensive system of quality control.

Relative effectiveness of controls

The relative effectiveness and significance of specific controls at MS PKI Services and their effect on assessments of control risk for subscribers and relying parties are dependent on their interaction with the controls and other factors present at individual subscriber and relying party locations. Our examination did not extend to controls at individual subscriber and relying party locations and we have not evaluated the effectiveness of such controls.

Inherent limitations

There are inherent limitations in the effectiveness of any system of internal control, including the possibility of human error and the circumvention of controls. For example, because of their nature, controls may not prevent, or detect unauthorised access to systems and information, or failure to comply with internal and external policies or requirements. Also, the projection to the future of any conclusions based on our findings is subject to the risk that controls may become ineffective.

Opinion

In our opinion MS PKI Services' assertion, as referred to above, is fairly stated, in all material respects.

This report does not include any representation as to the quality of MS PKI Services' services other than its CA operations in the United States of America, and in Ireland, nor the suitability of any of MS PKI Services' services for any customer's intended purpose.

Use of the WebTrust seal

MS PKI Services' use of the WebTrust for Certification Authorities – Network Security Seal constitutes a symbolic representation of the contents of this report, and it is not intended, nor should it be construed, to update this report or provide any additional assurance.

A handwritten signature in black ink that reads "Deloitte & Touche LLP". The script is cursive and fluid, with the letters connected. The "D" is large and loops around, and the "LLP" is written in a slightly more upright but still cursive style.

Deloitte & Touche LLP

July 28, 2026

ATTACHMENT A

LIST OF IN SCOPE CAs

Root CAs	
1.	AP Root Certificate Authority 2014
2.	Azure Hardware Root Certificate Authority 2019
3.	Azure Sphere Root Certificate Authority 2020
4.	Microsoft Android Platform Root CA 2021
5.	Microsoft Code Verification Root
6.	Microsoft Corporation Third Party Marketplace Root
7.	Microsoft Development Root Certificate Authority 2014
8.	Microsoft ECC Development Root Certificate Authority 2018
9.	Microsoft ECC Devices Root CA 2023
10.	Microsoft ECC Devices Root Certificate Authority 2017
11.	Microsoft ECC Services Root CA 2021
12.	Microsoft ESRP Root Certificate Authority 2017
13.	Microsoft Mariner RSA Root CA 2023
14.	Microsoft Mobile Root Certificate Authority 2015
15.	Microsoft Overlake Root Certificate Authority 2019
16.	Microsoft RSA Devices Root CA 2021
17.	Microsoft RSA Devices Root CA 2023
18.	Microsoft RSA Services Root CA 2021
19.	Microsoft Services Federal Root 1
20.	Microsoft Services Partner Root
21.	Microsoft Supply Chain ECC Root CA 2022
22.	Microsoft Supply Chain RSA Root CA 2022
23.	Microsoft Surface Device Authentication Root CA 2014
24.	Microsoft TPM Root Certificate Authority 2014
25.	Microsoft Enterprise Identity Verification Root Certificate Authority 2020
Intermediate CAs	
26.	Azure RSA PS CA EOC CA 01
27.	Azure RSA PS CA EOC CA 02
28.	Azure RSA PS CS AOC CA 01
29.	Azure RSA PS CS AOC CA 02
30.	Azure RSA PS CS EOC CA 01
31.	Azure RSA PS CS EOC CA 02
32.	Azure RSA Public Services Code Signing PCA
33.	Azure Services Linux Kmod PCA
34.	ESRP0 RSA PCA 2017
35.	ESRP2 RSA PCA 2017
36.	IDNA SK PCA
37.	J2ME Manufacturer Domain CA 2015
38.	J2ME Trusted Third Party Domain CA 2015
39.	Linux Boot Loader Signing CA 2016
40.	Lumia Labeling CA
41.	M365 RSA Services Code Signing PCA
42.	Mariner Trusted Base RSA Code Signing CA
43.	Microsoft Android Code Transparency and Upload PCA
44.	Microsoft Android Play App PCA
45.	Microsoft Andromeda Attestation CA 2017
46.	Microsoft Andromeda Attestation PCA 2017
47.	Microsoft Andromeda Firmware Debug CA 2017
48.	Microsoft Atlas Attestation CA 2020
49.	Microsoft Atlas Attestation PCA 2020
50.	Microsoft Atlas Firmware Debug CA 2020
51.	Microsoft Band Firmware CA 2015
52.	Microsoft Band Firmware Debug CA 2016

53. Microsoft Benham Attestation CA
54. Microsoft Benham Attestation PCA
55. Microsoft Cerberus AOC CA 01
56. Microsoft Cerberus AOC CA 02
57. Microsoft Cerberus EOC CA 01
58. Microsoft Cerberus EOC CA 02
59. Microsoft Cloud Server AOC CA 01
60. Microsoft Cloud Server AOC CA 02
61. Microsoft Cloud Server EOC CA 01
62. Microsoft Cloud Server EOC CA 02
63. Microsoft Corporation KEK 2K CA 2023
64. Microsoft Corporation KEK 3K CA 2023
65. Microsoft Corporation KEK 4K CA 2023
66. Microsoft Corporation KEK CA 2011
67. Microsoft Corporation Third Party Marketplace PCA
68. Microsoft Corporation UEFI CA 2011
69. Microsoft Corsica AOC CA 01
70. Microsoft Corsica AOC CA 02
71. Microsoft Corsica EOC CA 01
72. Microsoft Corsica EOC CA 02
73. Microsoft Development PCA 2014
74. Microsoft Devices OEM Code Sign CA 2018
75. Microsoft Devices UEFI CA 2016
76. Microsoft ECC Development PCA 2018
77. Microsoft ECC LFF Platform Attestation CA
78. Microsoft ECC LFF Platform Attestation PCA
79. Microsoft ECC NFF Platform Attestation CA
80. Microsoft ECC NFF Platform Attestation PCA
81. Microsoft ECC Surface Accessory Firmware CA 2018
82. Microsoft ECC Surface Accessory Firmware CA 2023
83. Microsoft ECC Third Party PCA 2019
84. Microsoft HoloLens Attestation CA 2018
85. Microsoft HoloLens Attestation PCA 2018
86. Microsoft HoloLens Firmware Debug CA 2018
87. Microsoft IDNA RSA Policy Signing CA
88. Microsoft IoT Hardware AOC CA 01
89. Microsoft IoT Hardware AOC CA 02
90. Microsoft IoT Hardware EOC CA 01
91. Microsoft IoT Hardware EOC CA 02
92. Microsoft Mobile Development PCA 2014
93. Microsoft Mobile PCA 2015
94. Microsoft OEM Custom CA 2014
95. Microsoft Option ROM UEFI CA 2023
96. Microsoft Overlake Agent Signing PCA 2019
97. Microsoft Overlake Celestial Peak AOC CA 01
98. Microsoft Overlake Celestial Peak AOC CA 02
99. Microsoft Overlake Celestial Peak EOC CA 01
100. Microsoft Overlake Celestial Peak EOC CA 02
101. Microsoft Overlake OS Signing PCA 2019
102. Microsoft Overlake Policy Signing PCA 2020
103. Microsoft Overlake STOS Signing PCA 2020
104. Microsoft Pinewood Attestation CA 2019
105. Microsoft Pinewood Attestation PCA 2019
106. Microsoft RSA Third Party PCA 2023
107. Microsoft SCD Claimants RSA CA
108. Microsoft SCD Products RSA CA
109. Microsoft SCD Systems RSA CA
110. Microsoft Secure Launch ECC PCA 2017

111. Microsoft Services Federal PCA 1
112. Microsoft SH2 Firmware CA 2018
113. Microsoft SH2 Firmware Debug CA 2018
114. Microsoft Surface Accessories Windows Firmware CA 2013
115. Microsoft Surface AFF Firmware CA 2021
116. Microsoft Surface AFF Firmware Debug CA 2021
117. Microsoft Surface AFF UEFI PK CA 2021
118. Microsoft Surface Common Services CA 2014
119. Microsoft Surface FFF Firmware CA 2018
120. Microsoft Surface FFF Firmware Debug CA 2018
121. Microsoft Surface for RT Firmware CA 2012
122. Microsoft Surface for Windows 8 Pro Firmware CA 2012
123. Microsoft Surface for Windows RT CA 2012
124. Microsoft Surface for Windows RT EK Issuing CA 01
125. Microsoft Surface for Windows RT EK Issuing CA 02
126. Microsoft Surface for Windows RT EK Issuing CA 03
127. Microsoft Surface for Windows RT EK Issuing CA 04
128. Microsoft Surface Ganymede Attestation CA 2017
129. Microsoft Surface Ganymede Attestation PCA 2017
130. Microsoft Surface Hub Firmware CA 2015
131. Microsoft Surface Hub UEFI PK CA 2015
132. Microsoft Surface LFF 3 Firmware CA 2016
133. Microsoft Surface LFF 3 Firmware Debug CA 2016
134. Microsoft Surface LFF 3 UEFI PK CA 2016
135. Microsoft Surface LFF Firmware CA 2021
136. Microsoft Surface LFF Firmware Debug CA 2021
137. Microsoft Surface LFF UEFI PK CA 2021
138. Microsoft Surface MoBB-1 Boot Core CA 2019
139. Microsoft Surface MoBB-1 CA 2014
140. Microsoft Surface NFF Firmware CA 2015
141. Microsoft Surface NFF Firmware CA 2021
142. Microsoft Surface NFF Firmware Debug CA 2015
143. Microsoft Surface NFF Firmware Debug CA 2021
144. Microsoft Surface NFF UEFI PK CA 2015
145. Microsoft Surface NFF UEFI PK CA 2021
146. Microsoft Surface Services for Windows 8 Pro CA 2012
147. Microsoft Surface Services for Windows RT CA 2012
148. Microsoft Surface SFF Attestation CA 2013
149. Microsoft Surface SFF Firmware CA 2013
150. Microsoft Surface SFF Platform Key CA 2013
151. Microsoft Surface SH2 Firmware CA 2022
152. Microsoft Surface SH2 Firmware Debug CA 2022
153. Microsoft Surface SH2 UEFI PK CA 2022
154. Microsoft Surface Silicon Partner PCA 2018
155. Microsoft Surface Stamps CA 2024
156. Microsoft Surface with Windows RT v2 Boot ROM Fuse CA 2013
157. Microsoft Surface with Windows RT v2 Firmware CA 2013
158. Microsoft Surface with Windows RT v2 Platform Key CA 2013
159. Microsoft Surface with Windows RT v2 Services Mobile CA 2013
160. Microsoft Surface XLFF 2 Firmware CA 2016
161. Microsoft Surface XLFF 2 Firmware Debug CA 2016
162. Microsoft Surface XLFF 2 UEFI PK CA 2016
163. Microsoft Surface XLFF Firmware CA 2021
164. Microsoft Surface XLFF Firmware Debug CA 2021
165. Microsoft Surface XLFF UEFI PK CA 2021
166. Microsoft Surface XSFF Firmware CA 2018
167. Microsoft Surface XSFF Firmware Debug CA 2018
168. Microsoft Surface XSFF UEFI PK CA 2018

169. Microsoft UEFI CA 2023
170. Microsoft Universal Store OnePay PCA 2015
171. Microsoft VSMC PCA 2017
172. Microsoft Windows Group Edition KEK CA 2015
173. Microsoft Windows IoT KEK CA 2015
174. Microsoft Windows IoT PCA 2015
175. Microsoft Windows UEFI PK CA 2017
176. Microsoft XCloud PCA 2018
177. MR0 RSA PCA 2022
178. MR1 RSA PCA 2022
179. Phones UEFI CA 2016
180. Surface Factory CA 2018
181. Windows Hello 11B0C61D CA 2021
182. Windows Hello 1767C8B4 CA 2018
183. Windows Hello 19B92965 CA 2018
184. Windows Hello 2096ADCC CA 2021
185. Windows Hello 41738710 CA 2021
186. Windows Hello 5CF190F8 CA 2018
187. Windows Hello 73CA926A CA 2021
188. Windows Hello 7BB5EEFC CA 2018
189. Windows Hello 9F10CB1F CA 2021
190. Windows Hello B5A8CEAC CA 2018
191. Windows Hello FPR-I-256 CA 2023
192. Windows Hello GD-256 CA 2023
193. Windows Hello Secure Devices PCA 2018
194. Windows Phone KEK CA 2012
195. Microsoft Enterprise Identity Verification Code Signing PCA 2020
196. Microsoft Enterprise Identity Verification WSCV PCA 2020
197. Microsoft SCD Claimants ECC CA
198. Microsoft SCD Products ECC CA
199. Microsoft SCD Systems ECC CA
200. Microsoft Enterprise ID Verification CS EOC CA 02
201. Microsoft Enterprise ID Verification CS EOC CA 03
202. Microsoft Enterprise ID Verification CS EOC CA 01
203. Microsoft Enterprise ID Verification CS AOC CA 02
204. Microsoft Enterprise ID Verification CS AOC CA 01
205. Microsoft Enterprise ID Verification CS AOC CA 03
206. Microsoft Enterprise ID Verification WSCV AOC CA 02
207. Microsoft Enterprise ID Verification WSCV AOC CA 03
208. Microsoft Enterprise ID Verification WSCV AOC CA 01
209. Microsoft Enterprise ID Verification WSCV EOC CA 02
210. Microsoft Enterprise ID Verification WSCV EOC CA 01
211. Microsoft Enterprise ID Verification WSCV EOC CA 03

ATTACHMENT B

LIST OF MS PKI SERVICES' LOCATIONS IN-SCOPE

#	Location Name	Location Type	Location	In-Scope for Physical and Environmental Control Testing
1	Corporate headquarters and office spaces	Main office	United States of America	No
2	Online CA hosting 1	Datacenter 1	United States of America	Yes
3	Online CA hosting 2	Datacenter 2	Ireland	Yes
4	Offline CA hosting 1	Primary offline CA facility	United States of America	Yes
5	Offline CA hosting 2	Disaster recovery / secondary offline CA facility	United States of America	Yes
6	Secure storage 1	Secure storage for online CAs and offline CAs	United States of America	Yes
7	Secure storage 2	Cold storage for online and offline CAs	United States of America	Yes
8	Secure storage 3	Disaster recovery / secondary storage for offline CAs	United States of America	Yes
9	Secure storage 4	Third-party cold storage for offline CAs	United States of America	Yes
10	Secure storage 5	Secure storage for online CAs and offline CAs	Ireland	Yes

MICROSOFT PUBLIC KEY INFRASTRUCTURE SERVICES MANAGEMENT'S ASSERTION

Microsoft Public Key Infrastructure Services ("MS PKI Services") operates the Certification Authority ("CA") services as enumerated in [Attachment A](#).

The management of MS PKI Services is responsible for establishing and maintaining effective controls over its CA operations, including its network and certificate security system controls. These controls contain monitoring mechanisms, and actions are taken to correct deficiencies identified.

There are inherent limitations in any controls, including the possibility of human error, and the circumvention or overriding of controls. Accordingly, even effective controls can only provide reasonable assurance with respect to MS PKI Services' CA operations. Furthermore, because of changes in conditions, the effectiveness of controls may vary over time.

MS PKI Services management has assessed its controls over its CA services. Based on that assessment, in providing its Certification Authority (CA) services at locations enumerated in [Attachment B](#), MS PKI Services has:

- maintained effective controls to provide reasonable assurance that it meets the Network and Certificate System Security Requirements as set forth by the CA/Browser Forum

throughout the period May 1, 2025 to April 30, 2026 based on the [WebTrust Principles and Criteria for Certification Authorities – Network Security, v1.7](#).

MS PKI Services has disclosed the following matters publicly on Mozilla's Bugzilla reporting system.

Sr.	Bugzilla ID	Bugzilla Title	Created On	Resolved On	Status
1	1962829	Microsoft PKI Services: Policy document bug	April 28, 2025	April 25, 2026	Resolved
2	1962830	Microsoft PKI Services: Subscriber certificate change made that was not compliant with CPS	April 28, 2025	June 20, 2025	Resolved
3	1965612	Microsoft PKI Services: Failure to Revoke in 5 Days for 1962829	May 9, 2025	May 4, 2026	Resolved
4	1970968	Microsoft PKI Services: Incorrect Revocation Reason Code	June 6, 2025	July 8, 2025	Resolved
5	1974592	Microsoft PKI Services: Pre-Sign Linting Validation did not occur in ICA creation	June 28, 2025	August 30, 2025	Resolved
6	1979475	Microsoft PKI Services: End Entity Certificate Mis-issuance against CPS (BasicConstraints)	July 28, 2025	January 20, 2026	Resolved
7	1990801	Microsoft: improper disclosure of CRL	September 26, 2025	November 3, 2025	Resolved
8	1999850	Microsoft PKI Services: OSCP Non-Compliance	November 13, 2025	July 1, 2026	Resolved
9	2007221	Microsoft PKI Services: Improper Disclosure of CRL	December 19, 2025	March 2, 2026	Resolved
10	2008847	Microsoft PKI Services: Sample Site Certificates expired	January 7, 2026	February 16, 2026	Resolved
11	2009539	Microsoft PKI Services: Improper Disclosure of CRLs – IDP – Existing CAs	January 10, 2026	February 16, 2026	Resolved
12	2009541	Microsoft PKI Services: Failure to report within 72 hrs - Sample Site Certs Expired	January 10, 2026	February 11, 2026	Resolved
13	2009542	Microsoft PKI Services: Improper Disclosure of CRLs – IDP – New CAs	January 10, 2026	February 16, 2026	Resolved
14	2009543	Microsoft PKI Services: Improper Disclosure of CRLs – Does Not Match CA Subject	January 10, 2026	February 9, 2026	Resolved
15	2009545	Microsoft PKI Services: Improper Disclosure of CRLs – Protocol Scheme	January 10, 2026	February 11, 2026	Resolved

Sr.	Bugzilla ID	Bugzilla Title	Created On	Resolved On	Status
16	<u>2021175</u>	Microsoft PKI Services: Failure to update action item status within 3 days	March 5, 2026	April 3, 2026	Resolved
17	<u>2026452</u>	Microsoft PKI Services: Failure to publish Full Incident Report for Bugzilla 2021175 within 14 days	March 26, 2026	April 22, 2026	Resolved
18	<u>2026453</u>	Microsoft PKI Services: Failure to report Bugzilla 2026452 within 72 hrs	March 26, 2026	April 22, 2026	Resolved
19	<u>2034251</u>	Microsoft PKI Services: Failure to Update Full Incident Report within 14 days of discovering new root cause	April 23, 2026	May 13, 2026	Resolved

Microsoft Public Key Infrastructure Services
July 28, 2026

ATTACHMENT A

LIST OF IN SCOPE CAs

Root CAs	
1.	AP Root Certificate Authority 2014
2.	Azure Hardware Root Certificate Authority 2019
3.	Azure Sphere Root Certificate Authority 2020
4.	Microsoft Android Platform Root CA 2021
5.	Microsoft Code Verification Root
6.	Microsoft Corporation Third Party Marketplace Root
7.	Microsoft Development Root Certificate Authority 2014
8.	Microsoft ECC Development Root Certificate Authority 2018
9.	Microsoft ECC Devices Root CA 2023
10.	Microsoft ECC Devices Root Certificate Authority 2017
11.	Microsoft ECC Services Root CA 2021
12.	Microsoft ESRP Root Certificate Authority 2017
13.	Microsoft Mariner RSA Root CA 2023
14.	Microsoft Mobile Root Certificate Authority 2015
15.	Microsoft Overlake Root Certificate Authority 2019
16.	Microsoft RSA Devices Root CA 2021
17.	Microsoft RSA Devices Root CA 2023
18.	Microsoft RSA Services Root CA 2021
19.	Microsoft Services Federal Root 1
20.	Microsoft Services Partner Root
21.	Microsoft Supply Chain ECC Root CA 2022
22.	Microsoft Supply Chain RSA Root CA 2022
23.	Microsoft Surface Device Authentication Root CA 2014
24.	Microsoft TPM Root Certificate Authority 2014
25.	Microsoft Enterprise Identity Verification Root Certificate Authority 2020
Intermediate CAs	
26.	Azure RSA PS CA EOC CA 01
27.	Azure RSA PS CA EOC CA 02
28.	Azure RSA PS CS AOC CA 01
29.	Azure RSA PS CS AOC CA 02
30.	Azure RSA PS CS EOC CA 01
31.	Azure RSA PS CS EOC CA 02
32.	Azure RSA Public Services Code Signing PCA
33.	Azure Services Linux Kmod PCA
34.	ESRP0 RSA PCA 2017
35.	ESRP2 RSA PCA 2017
36.	IDNA SK PCA
37.	J2ME Manufacturer Domain CA 2015
38.	J2ME Trusted Third Party Domain CA 2015
39.	Linux Boot Loader Signing CA 2016
40.	Lumia Labeling CA
41.	M365 RSA Services Code Signing PCA
42.	Mariner Trusted Base RSA Code Signing CA
43.	Microsoft Android Code Transparency and Upload PCA
44.	Microsoft Android Play App PCA
45.	Microsoft Andromeda Attestation CA 2017
46.	Microsoft Andromeda Attestation PCA 2017
47.	Microsoft Andromeda Firmware Debug CA 2017
48.	Microsoft Atlas Attestation CA 2020
49.	Microsoft Atlas Attestation PCA 2020
50.	Microsoft Atlas Firmware Debug CA 2020
51.	Microsoft Band Firmware CA 2015
52.	Microsoft Band Firmware Debug CA 2016

53. Microsoft Benham Attestation CA
54. Microsoft Benham Attestation PCA
55. Microsoft Cerberus AOC CA 01
56. Microsoft Cerberus AOC CA 02
57. Microsoft Cerberus EOC CA 01
58. Microsoft Cerberus EOC CA 02
59. Microsoft Cloud Server AOC CA 01
60. Microsoft Cloud Server AOC CA 02
61. Microsoft Cloud Server EOC CA 01
62. Microsoft Cloud Server EOC CA 02
63. Microsoft Corporation KEK 2K CA 2023
64. Microsoft Corporation KEK 3K CA 2023
65. Microsoft Corporation KEK 4K CA 2023
66. Microsoft Corporation KEK CA 2011
67. Microsoft Corporation Third Party Marketplace PCA
68. Microsoft Corporation UEFI CA 2011
69. Microsoft Corsica AOC CA 01
70. Microsoft Corsica AOC CA 02
71. Microsoft Corsica EOC CA 01
72. Microsoft Corsica EOC CA 02
73. Microsoft Development PCA 2014
74. Microsoft Devices OEM Code Sign CA 2018
75. Microsoft Devices UEFI CA 2016
76. Microsoft ECC Development PCA 2018
77. Microsoft ECC LFF Platform Attestation CA
78. Microsoft ECC LFF Platform Attestation PCA
79. Microsoft ECC NFF Platform Attestation CA
80. Microsoft ECC NFF Platform Attestation PCA
81. Microsoft ECC Surface Accessory Firmware CA 2018
82. Microsoft ECC Surface Accessory Firmware CA 2023
83. Microsoft ECC Third Party PCA 2019
84. Microsoft HoloLens Attestation CA 2018
85. Microsoft HoloLens Attestation PCA 2018
86. Microsoft HoloLens Firmware Debug CA 2018
87. Microsoft IDNA RSA Policy Signing CA
88. Microsoft IoT Hardware AOC CA 01
89. Microsoft IoT Hardware AOC CA 02
90. Microsoft IoT Hardware EOC CA 01
91. Microsoft IoT Hardware EOC CA 02
92. Microsoft Mobile Development PCA 2014
93. Microsoft Mobile PCA 2015
94. Microsoft OEM Custom CA 2014
95. Microsoft Option ROM UEFI CA 2023
96. Microsoft Overlake Agent Signing PCA 2019
97. Microsoft Overlake Celestial Peak AOC CA 01
98. Microsoft Overlake Celestial Peak AOC CA 02
99. Microsoft Overlake Celestial Peak EOC CA 01
100. Microsoft Overlake Celestial Peak EOC CA 02
101. Microsoft Overlake OS Signing PCA 2019
102. Microsoft Overlake Policy Signing PCA 2020
103. Microsoft Overlake STOS Signing PCA 2020
104. Microsoft Pinewood Attestation CA 2019
105. Microsoft Pinewood Attestation PCA 2019
106. Microsoft RSA Third Party PCA 2023
107. Microsoft SCD Claimants RSA CA
108. Microsoft SCD Products RSA CA
109. Microsoft SCD Systems RSA CA
110. Microsoft Secure Launch ECC PCA 2017

111. Microsoft Services Federal PCA 1
112. Microsoft SH2 Firmware CA 2018
113. Microsoft SH2 Firmware Debug CA 2018
114. Microsoft Surface Accessories Windows Firmware CA 2013
115. Microsoft Surface AFF Firmware CA 2021
116. Microsoft Surface AFF Firmware Debug CA 2021
117. Microsoft Surface AFF UEFI PK CA 2021
118. Microsoft Surface Common Services CA 2014
119. Microsoft Surface FFF Firmware CA 2018
120. Microsoft Surface FFF Firmware Debug CA 2018
121. Microsoft Surface for RT Firmware CA 2012
122. Microsoft Surface for Windows 8 Pro Firmware CA 2012
123. Microsoft Surface for Windows RT CA 2012
124. Microsoft Surface for Windows RT EK Issuing CA 01
125. Microsoft Surface for Windows RT EK Issuing CA 02
126. Microsoft Surface for Windows RT EK Issuing CA 03
127. Microsoft Surface for Windows RT EK Issuing CA 04
128. Microsoft Surface Ganymede Attestation CA 2017
129. Microsoft Surface Ganymede Attestation PCA 2017
130. Microsoft Surface Hub Firmware CA 2015
131. Microsoft Surface Hub UEFI PK CA 2015
132. Microsoft Surface LFF 3 Firmware CA 2016
133. Microsoft Surface LFF 3 Firmware Debug CA 2016
134. Microsoft Surface LFF 3 UEFI PK CA 2016
135. Microsoft Surface LFF Firmware CA 2021
136. Microsoft Surface LFF Firmware Debug CA 2021
137. Microsoft Surface LFF UEFI PK CA 2021
138. Microsoft Surface MoBB-1 Boot Core CA 2019
139. Microsoft Surface MoBB-1 CA 2014
140. Microsoft Surface NFF Firmware CA 2015
141. Microsoft Surface NFF Firmware CA 2021
142. Microsoft Surface NFF Firmware Debug CA 2015
143. Microsoft Surface NFF Firmware Debug CA 2021
144. Microsoft Surface NFF UEFI PK CA 2015
145. Microsoft Surface NFF UEFI PK CA 2021
146. Microsoft Surface Services for Windows 8 Pro CA 2012
147. Microsoft Surface Services for Windows RT CA 2012
148. Microsoft Surface SFF Attestation CA 2013
149. Microsoft Surface SFF Firmware CA 2013
150. Microsoft Surface SFF Platform Key CA 2013
151. Microsoft Surface SH2 Firmware CA 2022
152. Microsoft Surface SH2 Firmware Debug CA 2022
153. Microsoft Surface SH2 UEFI PK CA 2022
154. Microsoft Surface Silicon Partner PCA 2018
155. Microsoft Surface Stamps CA 2024
156. Microsoft Surface with Windows RT v2 Boot ROM Fuse CA 2013
157. Microsoft Surface with Windows RT v2 Firmware CA 2013
158. Microsoft Surface with Windows RT v2 Platform Key CA 2013
159. Microsoft Surface with Windows RT v2 Services Mobile CA 2013
160. Microsoft Surface XLFF 2 Firmware CA 2016
161. Microsoft Surface XLFF 2 Firmware Debug CA 2016
162. Microsoft Surface XLFF 2 UEFI PK CA 2016
163. Microsoft Surface XLFF Firmware CA 2021
164. Microsoft Surface XLFF Firmware Debug CA 2021
165. Microsoft Surface XLFF UEFI PK CA 2021
166. Microsoft Surface XSFF Firmware CA 2018
167. Microsoft Surface XSFF Firmware Debug CA 2018
168. Microsoft Surface XSFF UEFI PK CA 2018

169. Microsoft UEFI CA 2023
170. Microsoft Universal Store OnePay PCA 2015
171. Microsoft VSMC PCA 2017
172. Microsoft Windows Group Edition KEK CA 2015
173. Microsoft Windows IoT KEK CA 2015
174. Microsoft Windows IoT PCA 2015
175. Microsoft Windows UEFI PK CA 2017
176. Microsoft XCloud PCA 2018
177. MR0 RSA PCA 2022
178. MR1 RSA PCA 2022
179. Phones UEFI CA 2016
180. Surface Factory CA 2018
181. Windows Hello 11B0C61D CA 2021
182. Windows Hello 1767C8B4 CA 2018
183. Windows Hello 19B92965 CA 2018
184. Windows Hello 2096ADCC CA 2021
185. Windows Hello 41738710 CA 2021
186. Windows Hello 5CF190F8 CA 2018
187. Windows Hello 73CA926A CA 2021
188. Windows Hello 7BB5EEFC CA 2018
189. Windows Hello 9F10CB1F CA 2021
190. Windows Hello B5A8CEAC CA 2018
191. Windows Hello FPR-I-256 CA 2023
192. Windows Hello GD-256 CA 2023
193. Windows Hello Secure Devices PCA 2018
194. Windows Phone KEK CA 2012
195. Microsoft Enterprise Identity Verification Code Signing PCA 2020
196. Microsoft Enterprise Identity Verification WSCV PCA 2020
197. Microsoft SCD Claimants ECC CA
198. Microsoft SCD Products ECC CA
199. Microsoft SCD Systems ECC CA
200. Microsoft Enterprise ID Verification CS EOC CA 02
201. Microsoft Enterprise ID Verification CS EOC CA 03
202. Microsoft Enterprise ID Verification CS EOC CA 01
203. Microsoft Enterprise ID Verification CS AOC CA 02
204. Microsoft Enterprise ID Verification CS AOC CA 01
205. Microsoft Enterprise ID Verification CS AOC CA 03
206. Microsoft Enterprise ID Verification WSCV AOC CA 02
207. Microsoft Enterprise ID Verification WSCV AOC CA 03
208. Microsoft Enterprise ID Verification WSCV AOC CA 01
209. Microsoft Enterprise ID Verification WSCV EOC CA 02
210. Microsoft Enterprise ID Verification WSCV EOC CA 01
211. Microsoft Enterprise ID Verification WSCV EOC CA 03

ATTACHMENT B**LIST OF MS PKI SERVICES' LOCATIONS IN-SCOPE**

#	Location Name	Location Type	Location	In-Scope for Physical and Environmental Control Testing
1	Corporate headquarters and office spaces	Main office	United States of America	No
2	Online CA hosting 1	Datacenter 1	United States of America	Yes
3	Online CA hosting 2	Datacenter 2	Ireland	Yes
4	Offline CA hosting 1	Primary offline CA facility	United States of America	Yes
5	Offline CA hosting 2	Disaster recovery / secondary offline CA facility	United States of America	Yes
6	Secure storage 1	Secure storage for online CAs and offline CAs	United States of America	Yes
7	Secure storage 2	Cold storage for online and offline CAs	United States of America	Yes
8	Secure storage 3	Disaster recovery / secondary storage for offline CAs	United States of America	Yes
9	Secure storage 4	Third-party cold storage for offline CAs	United States of America	Yes
10	Secure storage 5	Secure storage for online CAs and offline CAs	Ireland	Yes