

	A	B	C	D	E	F	G	
1	<b>Calculations for Non-Detection Probability of Tampering, In a Constituency With 2000 Voting Booths</b> (With One EVM - VVPAT Pair in Each Booth, When VVPAT Counts Are Cross Checked With EVM Counts) (This is "Source Excel File-2000 Booths" or "SEF-2000 booths", Sheet-10) (Revised By Dr Ramesh Bellamkonda, 2019-02-10)							
2	<b>No. of booths in constituency =</b>		<b>2000</b>			<b>Assumed No of Booths Tampered =</b>		<b>10</b>
3	Random Cross Check No. (for VVPAT-EVM Counts)	Total No. of EVM-VVPAT Pairs in the pool that are yet to be cross checked	Absolute no. of EVMs Assumed to be tampered in the constituency	Absolute no. of non-tampered EVMs that remain, given that no tampered EVMs detected thus far	Probability of not detecting tampering of any EVM, in the particular random cross check of VVPAT-EVM counts	Probability of not detecting tampering of any EVM, in the cumulative random cross checks of VVPAT-EVM counts, till that point	Probability of not detecting tampering of any EVM, in the cumulative random cross checks of VVPAT-EVM counts, till that point, % <b>age</b>	
4	1	2000	10	1990	0.995	0.995	99.50%	
5	2	1999	10	1989	0.994997499	0.990022511	99.00%	
6	3	1998	10	1988	0.994994995	0.985067444	98.51%	
7	4	1997	10	1987	0.994992489	0.980134707	98.01%	
8	5	1996	10	1986	0.99498998	0.975224213	97.52%	
9	6	1995	10	1985	0.994987469	0.970335871	97.03%	
10	7	1994	10	1984	0.994984955	0.965469593	96.55%	
11	8	1993	10	1983	0.994982439	0.96062529	96.06%	
12	9	1992	10	1982	0.99497992	0.955802874	95.58%	
13	10	1991	10	1981	0.994977398	0.951002256	95.10%	
14	11	1990	10	1980	0.994974874	0.946223351	94.62%	
15	12	1989	10	1979	0.994972348	0.941466069	94.15%	
16	13	1988	10	1978	0.994969819	0.936730324	93.67%	
17	14	1987	10	1977	0.994967287	0.932016029	93.20%	
18	15	1986	10	1976	0.994964753	0.927323099	92.73%	
19	16	1985	10	1975	0.994962217	0.922651446	92.27%	
20	17	1984	10	1974	0.994959677	0.918000985	91.80%	
21	18	1983	10	1973	0.994957136	0.913371631	91.34%	
22	19	1982	10	1972	0.994954591	0.908763297	90.88%	
23	20	1981	10	1971	0.994952044	0.904175901	90.42%	
24	21	1980	10	1970	0.994949495	0.899609356	89.96%	
25	22	1979	10	1969	0.994946943	0.895063578	89.51%	
26	23	1978	10	1968	0.994944388	0.890538484	89.05%	
27	24	1977	10	1967	0.994941831	0.88603399	88.60%	
28	25	1976	10	1966	0.994939271	0.881550013	88.16%	
29	26	1975	10	1965	0.994936709	0.877086468	87.71%	
30	27	1974	10	1964	0.994934144	0.872643274	87.26%	
31	28	1973	10	1963	0.994931576	0.868220348	86.82%	
32	29	1972	10	1962	0.994929006	0.863817608	86.38%	
33	30	1971	10	1961	0.994926433	0.859434972	85.94%	
34	31	1970	10	1960	0.994923858	0.855072358	85.51%	
35	32	1969	10	1959	0.99492128	0.850729685	85.07%	
36	33	1968	10	1958	0.994918699	0.846406871	84.64%	
37	34	1967	10	1957	0.994916116	0.842103837	84.21%	
38	35	1966	10	1956	0.99491353	0.837820501	83.78%	
39	36	1965	10	1955	0.994910941	0.833556783	83.36%	
40	37	1964	10	1954	0.99490835	0.829312604	82.93%	
41	38	1963	10	1953	0.994905756	0.825087884	82.51%	
42	39	1962	10	1952	0.99490316	0.820882543	82.09%	
43	40	1961	10	1951	0.994900561	0.816696503	81.67%	
44	41	1960	10	1950	0.994897959	0.812529684	81.25%	
45	42	1959	10	1949	0.994895355	0.808382008	80.84%	
46	43	1958	10	1948	0.994892748	0.804253397	80.43%	
47	44	1957	10	1947	0.994890138	0.800143773	80.01%	
48	45	1956	10	1946	0.994887526	0.796053059	79.61%	
49	46	1955	10	1945	0.99488491	0.791981176	79.20%	
50	47	1954	10	1944	0.994882293	0.787928048	78.79%	
51	48	1953	10	1943	0.994879672	0.783893598	78.39%	
52	49	1952	10	1942	0.994877049	0.77987775	77.99%	
53	50	1951	10	1941	0.994874423	0.775880427	77.59%	
54	51	1950	10	1940	0.994871795	0.771901553	77.19%	
55	52	1949	10	1939	0.994869164	0.767941052	76.79%	
56	53	1948	10	1938	0.99486653	0.76399885	76.40%	
57	54	1947	10	1937	0.994863893	0.76007487	76.01%	
58	55	1946	10	1936	0.994861254	0.756169038	75.62%	
59	56	1945	10	1935	0.994858612	0.75228128	75.23%	
60	57	1944	10	1934	0.994855967	0.74841152	74.84%	
61	58	1943	10	1933	0.99485332	0.744559685	74.46%	
62	59	1942	10	1932	0.994850669	0.740725701	74.07%	
63	60	1941	10	1931	0.994848016	0.736909494	73.69%	
64	61	1940	10	1930	0.994845361	0.733110992	73.31%	
65	62	1939	10	1929	0.994842702	0.72933012	72.93%	
66	63	1938	10	1928	0.994840041	0.725566807	72.56%	
67	64	1937	10	1927	0.994837377	0.721820979	72.18%	

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2	<b>No. of booths in constituency =</b>		<b>2000 Assumed No of Booths Tampered =</b>			<b>10</b>	
3	Random Cross Check No. (for VVPAT-EVM Counts)	Total No. of EVM-VVPAT Pairs in the pool that are yet to be cross checked	Absolute no. of EVMs Assumed to be tampered in the constituency	Absolute no. of non-tampered EVMs that remain, given that no tampered EVMs detected thus far	Probability of not detecting tampering of any EVM, in the particular random cross check of VVPAT-EVM counts	Probability of not detecting tampering of any EVM, in the cumulative random cross checks of VVPAT-EVM counts, till that point	Probability of not detecting tampering of any EVM, in the cumulative random cross checks of VVPAT-EVM counts, till that point, <b>% age</b>
68	65	1936	10	1926	0.994834711	0.718092565	71.81%
69	66	1935	10	1925	0.994832041	0.714381493	71.44%
70	67	1934	10	1924	0.994829369	0.71068769	71.07%
71	68	1933	10	1923	0.994826694	0.707011085	70.70%
72	69	1932	10	1922	0.994824017	0.703351607	70.34%
73	70	1931	10	1921	0.994821336	0.699709186	69.97%
74	71	1930	10	1920	0.994818653	0.69608375	69.61%
75	72	1929	10	1919	0.994815967	0.692475228	69.25%
76	73	1928	10	1918	0.994813278	0.688883552	68.89%
77	74	1927	10	1917	0.994810586	0.68530865	68.53%
78	75	1926	10	1916	0.994807892	0.681750454	68.18%
79	76	1925	10	1915	0.994805195	0.678208893	67.82%
80	77	1924	10	1914	0.994802495	0.674683899	67.47%
81	78	1923	10	1913	0.994799792	0.671175402	67.12%
82	79	1922	10	1912	0.994797086	0.667683334	66.77%
83	80	1921	10	1911	0.994794378	0.664207627	66.42%
84	81	1920	10	1910	0.994791667	0.660748212	66.07%
85	82	1919	10	1909	0.994788953	0.657305022	65.73%
86	83	1918	10	1908	0.994786236	0.653877989	65.39%
87	84	1917	10	1907	0.994783516	0.650467045	65.05%
88	85	1916	10	1906	0.994780793	0.647072123	64.71%
89	86	1915	10	1905	0.994778068	0.643693156	64.37%
90	87	1914	10	1904	0.99477534	0.640330078	64.03%
91	88	1913	10	1903	0.994772608	0.636982822	63.70%
92	89	1912	10	1902	0.994769874	0.633651322	63.37%
93	90	1911	10	1901	0.994767138	0.630335512	63.03%
94	91	1910	10	1900	0.994764398	0.627035326	62.70%
95	92	1909	10	1899	0.994761655	0.623750698	62.38%
96	93	1908	10	1898	0.99475891	0.620481565	62.05%
97	94	1907	10	1897	0.994756162	0.61722786	61.72%
98	95	1906	10	1896	0.99475341	0.613989518	61.40%
99	96	1905	10	1895	0.994750656	0.610766476	61.08%
100	97	1904	10	1894	0.994747899	0.607558669	60.76%
101	98	1903	10	1893	0.994745139	0.604366033	60.44%
102	99	1902	10	1892	0.994742376	0.601188504	60.12%
103	100	1901	10	1891	0.994739611	0.598026018	59.80%
104	101	1900	10	1890	0.994736842	0.594878513	59.49%
105	102	1899	10	1889	0.994734071	0.591745925	59.17%
106	103	1898	10	1888	0.994731296	0.588628191	58.86%
107	104	1897	10	1887	0.994728519	0.585525248	58.55%
108	105	1896	10	1886	0.994725738	0.582437035	58.24%
109	106	1895	10	1885	0.994722955	0.579363488	57.94%
110	107	1894	10	1884	0.994720169	0.576304547	57.63%
111	108	1893	10	1883	0.99471738	0.573260149	57.33%
112	109	1892	10	1882	0.994714588	0.570230233	57.02%
113	110	1891	10	1881	0.994711793	0.567214737	56.72%
114	111	1890	10	1880	0.994708995	0.564213601	56.42%
115	112	1889	10	1879	0.994706194	0.561226763	56.12%
116	113	1888	10	1878	0.99470339	0.558254164	55.83%
117	114	1887	10	1877	0.994700583	0.555295742	55.53%
118	115	1886	10	1876	0.994697773	0.552351438	55.24%
119	116	1885	10	1875	0.99469496	0.549421192	54.94%
120	117	1884	10	1874	0.994692144	0.546504944	54.65%
121	118	1883	10	1873	0.994689326	0.543602634	54.36%
122	119	1882	10	1872	0.994686504	0.540714203	54.07%
123	120	1881	10	1871	0.994683679	0.537839593	53.78%
124	121	1880	10	1870	0.994680851	0.534978744	53.50%
125	122	1879	10	1869	0.99467802	0.532131598	53.21%
126	123	1878	10	1868	0.994675186	0.529298096	52.93%
127	124	1877	10	1867	0.994672349	0.526478181	52.65%
128	125	1876	10	1866	0.99466951	0.523671794	52.37%
129	126	1875	10	1865	0.994666667	0.520878878	52.09%
130	127	1874	10	1864	0.994663821	0.518099375	51.81%
131	128	1873	10	1863	0.994660972	0.515333228	51.53%

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132	129	1872	10	1862	0.99465812	0.512580379	51.26%	
133	130	1871	10	1861	0.994655265	0.509840773	50.98%	
134	131	1870	10	1860	0.994652406	0.507114351	50.71%	
135	132	1869	10	1859	0.994649545	0.504401059	50.44%	
136	133	1868	10	1858	0.994646681	0.501700839	50.17%	
137	134	1867	10	1857	0.994643814	0.499013636	49.90%	
138	135	1866	10	1856	0.994640943	0.496339394	49.63%	
139	136	1865	10	1855	0.99463807	0.493678056	49.37%	
140	137	1864	10	1854	0.994635193	0.491029569	49.10%	
141	138	1863	10	1853	0.994632313	0.488393876	48.84%	
142	139	1862	10	1852	0.994629431	0.485770923	48.58%	
143	140	1861	10	1851	0.994626545	0.483160655	48.32%	
144	141	1860	10	1850	0.994623656	0.480563017	48.06%	
145	142	1859	10	1849	0.994620764	0.477977955	47.80%	
146	143	1858	10	1848	0.994617869	0.475405415	47.54%	
147	144	1857	10	1847	0.99461497	0.472845343	47.28%	
148	145	1856	10	1846	0.994612069	0.470297684	47.03%	
149	146	1855	10	1845	0.994609164	0.467762387	46.78%	
150	147	1854	10	1844	0.994606257	0.465239397	46.52%	
151	148	1853	10	1843	0.994603346	0.462728661	46.27%	
152	149	1852	10	1842	0.994600432	0.460230126	46.02%	
153	150	1851	10	1841	0.994597515	0.457743739	45.77%	
154	151	1850	10	1840	0.994594595	0.455269449	45.53%	
155	152	1849	10	1839	0.994591671	0.452807202	45.28%	
156	153	1848	10	1838	0.994588745	0.450356947	45.04%	
157	154	1847	10	1837	0.994585815	0.447918631	44.79%	
158	155	1846	10	1836	0.994582882	0.445492203	44.55%	
159	156	1845	10	1835	0.994579946	0.443077611	44.31%	
160	157	1844	10	1834	0.994577007	0.440674804	44.07%	
161	158	1843	10	1833	0.994574064	0.43828373	43.83%	
162	159	1842	10	1832	0.994571118	0.43590434	43.59%	
163	160	1841	10	1831	0.994568169	0.433536581	43.35%	
164	161	1840	10	1830	0.994565217	0.431180404	43.12%	
165	162	1839	10	1829	0.994562262	0.428835758	42.88%	
166	163	1838	10	1828	0.994559304	0.426502593	42.65%	
167	164	1837	10	1827	0.994556342	0.424180859	42.42%	
168	165	1836	10	1826	0.994553377	0.421870506	42.19%	
169	166	1835	10	1825	0.994550409	0.419571484	41.96%	
170	167	1834	10	1824	0.994547437	0.417283744	41.73%	
171	168	1833	10	1823	0.994544463	0.415007237	41.50%	
172	169	1832	10	1822	0.994541485	0.412741913	41.27%	
173	170	1831	10	1821	0.994538504	0.410487725	41.05%	
174	171	1830	10	1820	0.994535519	0.408244623	40.82%	
175	172	1829	10	1819	0.994532531	0.406012558	40.60%	
176	173	1828	10	1818	0.99452954	0.403791483	40.38%	
177	174	1827	10	1817	0.994526546	0.401581349	40.16%	
178	175	1826	10	1816	0.994523549	0.399382108	39.94%	
179	176	1825	10	1815	0.994520548	0.397193713	39.72%	
180	177	1824	10	1814	0.994517544	0.395016116	39.50%	
181	178	1823	10	1813	0.994514536	0.392849269	39.28%	
182	179	1822	10	1812	0.994511526	0.390693126	39.07%	
183	180	1821	10	1811	0.994508512	0.38854764	38.85%	
184	181	1820	10	1810	0.994505495	0.386412762	38.64%	
185	182	1819	10	1809	0.994502474	0.384288448	38.43%	
186	183	1818	10	1808	0.99449945	0.38217465	38.22%	
187	184	1817	10	1807	0.994496423	0.380071323	38.01%	
188	185	1816	10	1806	0.994493392	0.377978419	37.80%	
189	186	1815	10	1805	0.994490358	0.375895893	37.59%	
190	187	1814	10	1804	0.994487321	0.3738237	37.38%	
191	188	1813	10	1803	0.99448428	0.371761793	37.18%	
192	189	1812	10	1802	0.994481236	0.369710127	36.97%	
193	190	1811	10	1801	0.994478189	0.367668658	36.77%	
194	191	1810	10	1800	0.994475138	0.365637339	36.56%	
195	192	1809	10	1799	0.994472084	0.363616127	36.36%	

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3	Random Cross Check No. (for VVPAT-EVM Counts)	Total No. of EVM-VVPAT Pairs in the pool that are yet to be cross checked	Absolute no. of EVMs Assumed to be tampered in the constituency	Absolute no. of non-tampered EVMs that remain, given that no tampered EVMs detected thus far	Probability of not detecting tampering of any EVM, in the particular random cross check of VVPAT-EVM counts	Probability of not detecting tampering of any EVM, in the cumulative random cross checks of VVPAT-EVM counts, till that point	Probability of not detecting tampering of any EVM, in the cumulative random cross checks of VVPAT-EVM counts, till that point, <b>% age</b>	
196	193	1808	10	1798	0.994469027	0.361604976	36.16%	
197	194	1807	10	1797	0.994465966	0.359603841	35.96%	
198	195	1806	10	1796	0.994462901	0.357612679	35.76%	
199	196	1805	10	1795	0.994459834	0.355631446	35.56%	
200	197	1804	10	1794	0.994456763	0.353660096	35.37%	
201	198	1803	10	1793	0.994453688	0.351698587	35.17%	
202	199	1802	10	1792	0.99445061	0.349746875	34.97%	
203	200	1801	10	1791	0.994447529	0.347804915	34.78%	
204	201	1800	10	1790	0.994444444	0.345872666	34.59%	
205	202	1799	10	1789	0.994441356	0.343950083	34.40%	
206	203	1798	10	1788	0.994438265	0.342037124	34.20%	
207	204	1797	10	1787	0.99443517	0.340133745	34.01%	
208	205	1796	10	1786	0.994432071	0.338239905	33.82%	
209	206	1795	10	1785	0.994428969	0.33635556	33.64%	
210	207	1794	10	1784	0.994425864	0.334480668	33.45%	
211	208	1793	10	1783	0.994422755	0.332615187	33.26%	
212	209	1792	10	1782	0.994419643	0.330759076	33.08%	
213	210	1791	10	1781	0.994416527	0.328912292	32.89%	
214	211	1790	10	1780	0.994413408	0.327074793	32.71%	
215	212	1789	10	1779	0.994410285	0.325246538	32.52%	
216	213	1788	10	1778	0.994407159	0.323427486	32.34%	
217	214	1787	10	1777	0.994404029	0.321617595	32.16%	
218	215	1786	10	1776	0.994400896	0.319816824	31.98%	
219	216	1785	10	1775	0.994397759	0.318025134	31.80%	
220	217	1784	10	1774	0.994394619	0.316242482	31.62%	
221	218	1783	10	1773	0.994391475	0.314468828	31.45%	
222	219	1782	10	1772	0.994388328	0.312704132	31.27%	
223	220	1781	10	1771	0.994385177	0.310948353	31.09%	
224	221	1780	10	1770	0.994382022	0.309201452	30.92%	
225	222	1779	10	1769	0.994378865	0.307463389	30.75%	
226	223	1778	10	1768	0.994375703	0.305734124	30.57%	
227	224	1777	10	1767	0.994372538	0.304013617	30.40%	
228	225	1776	10	1766	0.994369369	0.302301828	30.23%	
229	226	1775	10	1765	0.994366197	0.300598719	30.06%	
230	227	1774	10	1764	0.994363021	0.298904251	29.89%	
231	228	1773	10	1763	0.994359842	0.297218384	29.72%	
232	229	1772	10	1762	0.994356659	0.295541079	29.55%	
233	230	1771	10	1761	0.994353473	0.293872298	29.39%	
234	231	1770	10	1760	0.994350282	0.292212003	29.22%	
235	232	1769	10	1759	0.994347089	0.290560154	29.06%	
236	233	1768	10	1758	0.994343891	0.288916714	28.89%	
237	234	1767	10	1757	0.99434069	0.287281645	28.73%	
238	235	1766	10	1756	0.994337486	0.285654909	28.57%	
239	236	1765	10	1755	0.994334278	0.284036467	28.40%	
240	237	1764	10	1754	0.994331066	0.282426283	28.24%	
241	238	1763	10	1753	0.99432785	0.280824319	28.08%	
242	239	1762	10	1752	0.994324631	0.279230538	27.92%	
243	240	1761	10	1751	0.994321408	0.277644901	27.76%	
244	241	1760	10	1750	0.994318182	0.276067374	27.61%	
245	242	1759	10	1749	0.994314952	0.274497917	27.45%	
246	243	1758	10	1748	0.994311718	0.272936496	27.29%	
247	244	1757	10	1747	0.99430848	0.271383072	27.14%	
248	245	1756	10	1746	0.994305239	0.26983761	26.98%	
249	246	1755	10	1745	0.994301994	0.268300074	26.83%	
250	247	1754	10	1744	0.994298746	0.266770427	26.68%	
251	248	1753	10	1743	0.994295493	0.265248634	26.52%	
252	249	1752	10	1742	0.994292237	0.263734657	26.37%	
253	250	1751	10	1741	0.994288978	0.262228463	26.22%	
254	251	1750	10	1740	0.994285714	0.260730015	26.07%	
255	252	1749	10	1739	0.994282447	0.259239277	25.92%	
256	253	1748	10	1738	0.994279176	0.257756215	25.78%	
257	254	1747	10	1737	0.994275902	0.256280793	25.63%	
258	255	1746	10	1736	0.994272623	0.254812976	25.48%	
259	256	1745	10	1735	0.994269341	0.25335273	25.34%	

	A	B	C	D	E	F	G	
1	<b>Calculations for Non-Detection Probability of Tampering, In a Constituency With 2000 Voting Booths</b> (With One EVM - VVPAT Pair in Each Booth, When VVPAT Counts Are Cross Checked With EVM Counts) (This is "Source Excel File-2000 Booths" or "SEF-2000 booths", Sheet-10) (Revised By Dr Ramesh Bellamkonda, 2019-02-10)							
2	<b>No. of booths in constituency =</b>		<b>2000</b>			<b>Assumed No of Booths Tampered =</b>		<b>10</b>
3	Random Cross Check No. (for VVPAT-EVM Counts)	Total No. of EVM-VVPAT Pairs in the pool that are yet to be cross checked	Absolute no. of EVMs Assumed to be tampered in the constituency	Absolute no. of non-tampered EVMs that remain, given that no tampered EVMs detected thus far	Probability of not detecting tampering of any EVM, in the particular random cross check of VVPAT-EVM counts	Probability of not detecting tampering of any EVM, in the cumulative random cross checks of VVPAT-EVM counts, till that point	Probability of not detecting tampering of any EVM, in the cumulative random cross checks of VVPAT-EVM counts, till that point, <b>% age</b>	
260	257	1744	10	1734	0.994266055	0.251900019	25.19%	
261	258	1743	10	1733	0.994262765	0.25045481	25.05%	
262	259	1742	10	1732	0.994259472	0.249017067	24.90%	
263	260	1741	10	1731	0.994256175	0.247586756	24.76%	
264	261	1740	10	1730	0.994252874	0.246163844	24.62%	
265	262	1739	10	1729	0.994249569	0.244748296	24.47%	
266	263	1738	10	1728	0.99424626	0.243340078	24.33%	
267	264	1737	10	1727	0.994242948	0.241939156	24.19%	
268	265	1736	10	1726	0.994239631	0.240545497	24.05%	
269	266	1735	10	1725	0.994236311	0.239159068	23.92%	
270	267	1734	10	1724	0.994232987	0.237779834	23.78%	
271	268	1733	10	1723	0.99422966	0.236407764	23.64%	
272	269	1732	10	1722	0.994226328	0.235042823	23.50%	
273	270	1731	10	1721	0.994222992	0.233684979	23.37%	
274	271	1730	10	1720	0.994219653	0.232334199	23.23%	
275	272	1729	10	1719	0.99421631	0.23099045	23.10%	
276	273	1728	10	1718	0.994212963	0.229653699	22.97%	
277	274	1727	10	1717	0.994209612	0.228323915	22.83%	
278	275	1726	10	1716	0.994206257	0.227001065	22.70%	
279	276	1725	10	1715	0.994202899	0.225685117	22.57%	
280	277	1724	10	1714	0.994199536	0.224376039	22.44%	
281	278	1723	10	1713	0.994196169	0.223073798	22.31%	
282	279	1722	10	1712	0.994192799	0.221778364	22.18%	
283	280	1721	10	1711	0.994189425	0.220489704	22.05%	
284	281	1720	10	1710	0.994186047	0.219207787	21.92%	
285	282	1719	10	1709	0.994182664	0.217932582	21.79%	
286	283	1718	10	1708	0.994179278	0.216664057	21.67%	
287	284	1717	10	1707	0.994175888	0.215402181	21.54%	
288	285	1716	10	1706	0.994172494	0.214146924	21.41%	
289	286	1715	10	1705	0.994169096	0.212898254	21.29%	
290	287	1714	10	1704	0.994165694	0.21165614	21.17%	
291	288	1713	10	1703	0.994162288	0.210420553	21.04%	
292	289	1712	10	1702	0.994158879	0.209191461	20.92%	
293	290	1711	10	1701	0.994155465	0.207968834	20.80%	
294	291	1710	10	1700	0.994152047	0.206752642	20.68%	
295	292	1709	10	1699	0.994148625	0.205542854	20.55%	
296	293	1708	10	1698	0.994145199	0.204339442	20.43%	
297	294	1707	10	1697	0.994141769	0.203142374	20.31%	
298	295	1706	10	1696	0.994138335	0.201951622	20.20%	
299	296	1705	10	1695	0.994134897	0.200767155	20.08%	
300	297	1704	10	1694	0.994131455	0.199588944	19.96%	
301	298	1703	10	1693	0.994128009	0.198416959	19.84%	
302	299	1702	10	1692	0.994124559	0.197251172	19.73%	
303	300	1701	10	1691	0.994121105	0.196091553	19.61%	
304	301	1700	10	1690	0.994117647	0.194938074	19.49%	
305	302	1699	10	1689	0.994114185	0.193790704	19.38%	
306	303	1698	10	1688	0.994110718	0.192649416	19.26%	
307	304	1697	10	1687	0.994107248	0.191514181	19.15%	
308	305	1696	10	1686	0.994103774	0.19038497	19.04%	
309	306	1695	10	1685	0.994100295	0.189261755	18.93%	
310	307	1694	10	1684	0.994096812	0.188144507	18.81%	
311	308	1693	10	1683	0.994093325	0.187033199	18.70%	
312	309	1692	10	1682	0.994089835	0.185927802	18.59%	
313	310	1691	10	1681	0.994086339	0.184828288	18.48%	
314	311	1690	10	1680	0.99408284	0.183734629	18.37%	
315	312	1689	10	1679	0.994079337	0.182646798	18.26%	
316	313	1688	10	1678	0.994075829	0.181564768	18.16%	
317	314	1687	10	1677	0.994072318	0.180488509	18.05%	
318	315	1686	10	1676	0.994068802	0.179417996	17.94%	
319	316	1685	10	1675	0.994065282	0.178353201	17.84%	
320	317	1684	10	1674	0.994061758	0.177294097	17.73%	
321	318	1683	10	1673	0.994058229	0.176240656	17.62%	
322	319	1682	10	1672	0.994054697	0.175192852	17.52%	
323	320	1681	10	1671	0.99405116	0.174150657	17.42%	

	A	B	C	D	E	F	G	
1	<b>Calculations for Non-Detection Probability of Tampering, In a Constituency With 2000 Voting Booths</b> (With One EVM - VVPAT Pair in Each Booth, When VVPAT Counts Are Cross Checked With EVM Counts) (This is "Source Excel File-2000 Booths" or "SEF-2000 booths", Sheet-10) (Revised By Dr Ramesh Bellamkonda, 2019-02-10)							
2	<b>No. of booths in constituency =</b>		<b>2000</b>			<b>Assumed No of Booths Tampered =</b>		<b>10</b>
3	Random Cross Check No. (for VVPAT-EVM Counts)	Total No. of EVM-VVPAT Pairs in the pool that are yet to be cross checked	Absolute no. of EVMs Assumed to be tampered in the constituency	Absolute no. of non-tampered EVMs that remain, given that no tampered EVMs detected thus far	Probability of not detecting tampering of any EVM, in the particular random cross check of VVPAT-EVM counts	Probability of not detecting tampering of any EVM, in the cumulative random cross checks of VVPAT-EVM counts, till that point	Probability of not detecting tampering of any EVM, in the cumulative random cross checks of VVPAT-EVM counts, till that point, <b>% age</b>	
324	321	1680	10	1670	0.994047619	0.173114046	17.31%	
325	322	1679	10	1669	0.994044074	0.172082992	17.21%	
326	323	1678	10	1668	0.994040524	0.171057467	17.11%	
327	324	1677	10	1667	0.994036971	0.170037447	17.00%	
328	325	1676	10	1666	0.994033413	0.169022903	16.90%	
329	326	1675	10	1665	0.994029851	0.168013812	16.80%	
330	327	1674	10	1664	0.994026284	0.167010145	16.70%	
331	328	1673	10	1663	0.994022714	0.166011877	16.60%	
332	329	1672	10	1662	0.994019139	0.165018983	16.50%	
333	330	1671	10	1661	0.99401556	0.164031437	16.40%	
334	331	1670	10	1660	0.994011976	0.163049213	16.30%	
335	332	1669	10	1659	0.994008388	0.162072285	16.21%	
336	333	1668	10	1658	0.994004796	0.161100629	16.11%	
337	334	1667	10	1657	0.9940012	0.160134218	16.01%	
338	335	1666	10	1656	0.993997599	0.159173029	15.92%	
339	336	1665	10	1655	0.993993994	0.158217034	15.82%	
340	337	1664	10	1654	0.993990385	0.157266211	15.73%	
341	338	1663	10	1653	0.993986771	0.156320533	15.63%	
342	339	1662	10	1652	0.993983153	0.155379976	15.54%	
343	340	1661	10	1651	0.99397953	0.154444516	15.44%	
344	341	1660	10	1650	0.993975904	0.153514127	15.35%	
345	342	1659	10	1649	0.993972272	0.152588786	15.26%	
346	343	1658	10	1648	0.993968637	0.151668468	15.17%	
347	344	1657	10	1647	0.993964997	0.150753148	15.08%	
348	345	1656	10	1646	0.993961353	0.149842803	14.98%	
349	346	1655	10	1645	0.993957704	0.148937408	14.89%	
350	347	1654	10	1644	0.993954051	0.14803694	14.80%	
351	348	1653	10	1643	0.993950393	0.147141375	14.71%	
352	349	1652	10	1642	0.993946731	0.146250689	14.63%	
353	350	1651	10	1641	0.993943065	0.145364858	14.54%	
354	351	1650	10	1640	0.993939394	0.144483859	14.45%	
355	352	1649	10	1639	0.993935719	0.143607668	14.36%	
356	353	1648	10	1638	0.993932039	0.142736262	14.27%	
357	354	1647	10	1637	0.993928355	0.141869618	14.19%	
358	355	1646	10	1636	0.993924666	0.141007713	14.10%	
359	356	1645	10	1635	0.993920973	0.140150523	14.02%	
360	357	1644	10	1634	0.993917275	0.139298026	13.93%	
361	358	1643	10	1633	0.993913573	0.138450199	13.85%	
362	359	1642	10	1632	0.993909866	0.137607018	13.76%	
363	360	1641	10	1631	0.993906155	0.136768463	13.68%	
364	361	1640	10	1630	0.993902439	0.135934508	13.59%	
365	362	1639	10	1629	0.993898719	0.135105134	13.51%	
366	363	1638	10	1628	0.993894994	0.134280316	13.43%	
367	364	1637	10	1627	0.993891265	0.133460033	13.35%	
368	365	1636	10	1626	0.993887531	0.132644263	13.26%	
369	366	1635	10	1625	0.993883792	0.131832983	13.18%	
370	367	1634	10	1624	0.993880049	0.131026172	13.10%	
371	368	1633	10	1623	0.993876301	0.130223807	13.02%	
372	369	1632	10	1622	0.993872549	0.129425867	12.94%	
373	370	1631	10	1621	0.993868792	0.12863233	12.86%	
374	371	1630	10	1620	0.993865031	0.127843174	12.78%	
375	372	1629	10	1619	0.993861265	0.127058379	12.71%	
376	373	1628	10	1618	0.993857494	0.126277922	12.63%	
377	374	1627	10	1617	0.993853719	0.125501783	12.55%	
378	375	1626	10	1616	0.993849938	0.124729939	12.47%	
379	376	1625	10	1615	0.993846154	0.12396237	12.40%	
380	377	1624	10	1614	0.993842365	0.123199055	12.32%	
381	378	1623	10	1613	0.993838571	0.122439973	12.24%	
382	379	1622	10	1612	0.993834772	0.121685102	12.17%	
383	380	1621	10	1611	0.993830969	0.120934423	12.09%	
384	381	1620	10	1610	0.99382716	0.120187914	12.02%	
385	382	1619	10	1609	0.993823348	0.119445555	11.94%	
386	383	1618	10	1608	0.99381953	0.118707326	11.87%	
387	384	1617	10	1607	0.993815708	0.117973205	11.80%	

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2	<b>No. of booths in constituency =</b>		<b>2000 Assumed No of Booths Tampered =</b>			<b>10</b>	
3	Random Cross Check No. (for VVPAT-EVM Counts)	Total No. of EVM-VVPAT Pairs in the pool that are yet to be cross checked	Absolute no. of EVMs Assumed to be tampered in the constituency	Absolute no. of non-tampered EVMs that remain, given that no tampered EVMs detected thus far	Probability of not detecting tampering of any EVM, in the particular random cross check of VVPAT-EVM counts	Probability of not detecting tampering of any EVM, in the cumulative random cross checks of VVPAT-EVM counts, till that point	Probability of not detecting tampering of any EVM, in the cumulative random cross checks of VVPAT-EVM counts, till that point, <b>% age</b>
388	385	1616	10	1606	0.993811881	0.117243173	11.72%
389	386	1615	10	1605	0.99380805	0.116517209	11.65%
390	387	1614	10	1604	0.993804213	0.115795293	11.58%
391	388	1613	10	1603	0.993800372	0.115077405	11.51%
392	389	1612	10	1602	0.993796526	0.114363526	11.44%
393	390	1611	10	1601	0.993792675	0.113653634	11.37%
394	391	1610	10	1600	0.99378882	0.112947711	11.29%
395	392	1609	10	1599	0.99378496	0.112245736	11.22%
396	393	1608	10	1598	0.993781095	0.111547691	11.15%
397	394	1607	10	1597	0.993777225	0.110853554	11.09%
398	395	1606	10	1596	0.99377335	0.110163308	11.02%
399	396	1605	10	1595	0.99376947	0.109476932	10.95%
400	397	1604	10	1594	0.993765586	0.108794408	10.88%
401	398	1603	10	1593	0.993761697	0.108115715	10.81%
402	399	1602	10	1592	0.993757803	0.107440836	10.74%
403	400	1601	10	1591	0.993753904	0.10676975	10.68%
404	401	1600	10	1590	0.99375	0.106102439	10.61%
405	402	1599	10	1589	0.993746091	0.105438884	10.54%
406	403	1598	10	1588	0.993742178	0.104779066	10.48%
407	404	1597	10	1587	0.993738259	0.104122967	10.41%
408	405	1596	10	1586	0.993734336	0.103470567	10.35%
409	406	1595	10	1585	0.993730408	0.102821849	10.28%
410	407	1594	10	1584	0.993726474	0.102176794	10.22%
411	408	1593	10	1583	0.993722536	0.101535382	10.15%
412	409	1592	10	1582	0.993718593	0.100897597	10.09%
413	410	1591	10	1581	0.993714645	0.10026342	10.03%
414	411	1590	10	1580	0.993710692	0.099632833	9.96%
415	412	1589	10	1579	0.993706734	0.099005817	9.90%
416	413	1588	10	1578	0.993702771	0.098382354	9.84%
417	414	1587	10	1577	0.993698803	0.097762428	9.78%
418	415	1586	10	1576	0.99369483	0.097146019	9.71%
419	416	1585	10	1575	0.993690852	0.09653311	9.65%
420	417	1584	10	1574	0.993686869	0.095923684	9.59%
421	418	1583	10	1573	0.993682881	0.095317723	9.53%
422	419	1582	10	1572	0.993678887	0.094715209	9.47%
423	420	1581	10	1571	0.993674889	0.094116124	9.41%
424	421	1580	10	1570	0.993670886	0.093520453	9.35%
425	422	1579	10	1569	0.993666878	0.092928176	9.29%
426	423	1578	10	1568	0.993662864	0.092339278	9.23%
427	424	1577	10	1567	0.993658846	0.09175374	9.18%
428	425	1576	10	1566	0.993654822	0.091171547	9.12%
429	426	1575	10	1565	0.993650794	0.09059268	9.06%
430	427	1574	10	1564	0.99364676	0.090017123	9.00%
431	428	1573	10	1563	0.993642721	0.089444859	8.94%
432	429	1572	10	1562	0.993638677	0.088875871	8.89%
433	430	1571	10	1561	0.993634628	0.088310143	8.83%
434	431	1570	10	1560	0.993630573	0.087747658	8.77%
435	432	1569	10	1559	0.993626514	0.087188399	8.72%
436	433	1568	10	1558	0.993622449	0.086632351	8.66%
437	434	1567	10	1557	0.993618379	0.086079496	8.61%
438	435	1566	10	1556	0.993614304	0.085529819	8.55%
439	436	1565	10	1555	0.993610224	0.084983302	8.50%
440	437	1564	10	1554	0.993606138	0.084439931	8.44%
441	438	1563	10	1553	0.993602047	0.083899688	8.39%
442	439	1562	10	1552	0.993597951	0.083362558	8.34%
443	440	1561	10	1551	0.99359385	0.082828525	8.28%
444	441	1560	10	1550	0.993589744	0.082297573	8.23%
445	442	1559	10	1549	0.993585632	0.081769686	8.18%
446	443	1558	10	1548	0.993581515	0.081244849	8.12%
447	444	1557	10	1547	0.993577392	0.080723045	8.07%
448	445	1556	10	1546	0.993573265	0.080204259	8.02%
449	446	1555	10	1545	0.993569132	0.079688476	7.97%
450	447	1554	10	1544	0.993564994	0.07917568	7.92%
451	448	1553	10	1543	0.99356085	0.078665856	7.87%

	A	B	C	D	E	F	G	
1	<b>Calculations for Non-Detection Probability of Tampering, In a Constituency With 2000 Voting Booths</b> (With One EVM - VVPAT Pair in Each Booth, When VVPAT Counts Are Cross Checked With EVM Counts) (This is "Source Excel File-2000 Booths" or "SEF-2000 booths", Sheet-10) (Revised By Dr Ramesh Bellamkonda, 2019-02-10)							
2	<b>No. of booths in constituency =</b>		<b>2000</b>			<b>Assumed No of Booths Tampered =</b>		<b>10</b>
3	Random Cross Check No. (for VVPAT-EVM Counts)	Total No. of EVM-VVPAT Pairs in the pool that are yet to be cross checked	Absolute no. of EVMs Assumed to be tampered in the constituency	Absolute no. of non-tampered EVMs that remain, given that no tampered EVMs detected thus far	Probability of not detecting tampering of any EVM, in the particular random cross check of VVPAT-EVM counts	Probability of not detecting tampering of any EVM, in the cumulative random cross checks of VVPAT-EVM counts, till that point	Probability of not detecting tampering of any EVM, in the cumulative random cross checks of VVPAT-EVM counts, till that point, <b>% age</b>	
452	449	1552	10	1542	0.993556701	0.078158989	7.82%	
453	450	1551	10	1541	0.993552547	0.077655062	7.77%	
454	451	1550	10	1540	0.993548387	0.077154062	7.72%	
455	452	1549	10	1539	0.993544222	0.076655972	7.67%	
456	453	1548	10	1538	0.993540052	0.076160779	7.62%	
457	454	1547	10	1537	0.993535876	0.075668466	7.57%	
458	455	1546	10	1536	0.993531695	0.075179019	7.52%	
459	456	1545	10	1535	0.993527508	0.074692424	7.47%	
460	457	1544	10	1534	0.993523316	0.074208664	7.42%	
461	458	1543	10	1533	0.993519119	0.073727727	7.37%	
462	459	1542	10	1532	0.993514916	0.073249596	7.32%	
463	460	1541	10	1531	0.993510707	0.072774258	7.28%	
464	461	1540	10	1530	0.993506494	0.072301698	7.23%	
465	462	1539	10	1529	0.993502274	0.071831901	7.18%	
466	463	1538	10	1528	0.993498049	0.071364854	7.14%	
467	464	1537	10	1527	0.993493819	0.070900541	7.09%	
468	465	1536	10	1526	0.993489583	0.070438949	7.04%	
469	466	1535	10	1525	0.993485342	0.069980064	7.00%	
470	467	1534	10	1524	0.993481095	0.06952387	6.95%	
471	468	1533	10	1523	0.993476843	0.069070355	6.91%	
472	469	1532	10	1522	0.993472585	0.068619504	6.86%	
473	470	1531	10	1521	0.993468321	0.068171304	6.82%	
474	471	1530	10	1520	0.993464052	0.06772574	6.77%	
475	472	1529	10	1519	0.993459778	0.067282798	6.73%	
476	473	1528	10	1518	0.993455497	0.066842466	6.68%	
477	474	1527	10	1517	0.993451212	0.066404729	6.64%	
478	475	1526	10	1516	0.99344692	0.065969573	6.60%	
479	476	1525	10	1515	0.993442623	0.065536986	6.55%	
480	477	1524	10	1514	0.99343832	0.065106953	6.51%	
481	478	1523	10	1513	0.993434012	0.064679462	6.47%	
482	479	1522	10	1512	0.993429698	0.064254498	6.43%	
483	480	1521	10	1511	0.993425378	0.063832049	6.38%	
484	481	1520	10	1510	0.993421053	0.063412101	6.34%	
485	482	1519	10	1509	0.993416722	0.062994642	6.30%	
486	483	1518	10	1508	0.993412385	0.062579657	6.26%	
487	484	1517	10	1507	0.993408042	0.062167135	6.22%	
488	485	1516	10	1506	0.993403694	0.061757061	6.18%	
489	486	1515	10	1505	0.99339934	0.061349424	6.13%	
490	487	1514	10	1504	0.99339498	0.06094421	6.09%	
491	488	1513	10	1503	0.993390615	0.060541406	6.05%	
492	489	1512	10	1502	0.993386243	0.060141	6.01%	
493	490	1511	10	1501	0.993381866	0.059742979	5.97%	
494	491	1510	10	1500	0.993377483	0.05934733	5.93%	
495	492	1509	10	1499	0.993373095	0.058954041	5.90%	
496	493	1508	10	1498	0.9933687	0.058563099	5.86%	
497	494	1507	10	1497	0.9933643	0.058174492	5.82%	
498	495	1506	10	1496	0.993359894	0.057788207	5.78%	
499	496	1505	10	1495	0.993355482	0.057404232	5.74%	
500	497	1504	10	1494	0.993351064	0.057022555	5.70%	
501	498	1503	10	1493	0.99334664	0.056643163	5.66%	
502	499	1502	10	1492	0.99334221	0.056266045	5.63%	
503	500	1501	10	1491	0.993337775	0.055891188	5.59%	
504	501	1500	10	1490	0.993333333	0.05551858	5.55%	
505	502	1499	10	1489	0.993328886	0.055148209	5.51%	
506	503	1498	10	1488	0.993324433	0.054780064	5.48%	
507	504	1497	10	1487	0.993319973	0.054414131	5.44%	
508	505	1496	10	1486	0.993315508	0.054050401	5.41%	
509	506	1495	10	1485	0.993311037	0.05368886	5.37%	
510	507	1494	10	1484	0.99330656	0.053329496	5.33%	
511	508	1493	10	1483	0.993302076	0.052972299	5.30%	
512	509	1492	10	1482	0.993297587	0.052617257	5.26%	
513	510	1491	10	1481	0.993293092	0.052264358	5.23%	
514	511	1490	10	1480	0.993288591	0.051913591	5.19%	
515	512	1489	10	1479	0.993284083	0.051564943	5.16%	



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1	<b>Calculations for Non-Detection Probability of Tampering, In a Constituency With 2000 Voting Booths</b> (With One EVM - VVPAT Pair in Each Booth, When VVPAT Counts Are Cross Checked With EVM Counts) (This is "Source Excel File-2000 Booths" or "SEF-2000 booths", Sheet-10) (Revised By Dr Ramesh Bellamkonda, 2019-02-10)							
2	<b>No. of booths in constituency =</b>		<b>2000</b>			<b>Assumed No of Booths Tampered =</b>		<b>10</b>
3	Random Cross Check No. (for VVPAT-EVM Counts)	Total No. of EVM-VVPAT Pairs in the pool that are yet to be cross checked	Absolute no. of EVMs Assumed to be tampered in the constituency	Absolute no. of non-tampered EVMs that remain, given that no tampered EVMs detected thus far	Probability of not detecting tampering of any EVM, in the particular random cross check of VVPAT-EVM counts	Probability of not detecting tampering of any EVM, in the cumulative random cross checks of VVPAT-EVM counts, till that point	Probability of not detecting tampering of any EVM, in the cumulative random cross checks of VVPAT-EVM counts, till that point, <b>% age</b>	
516	513	1488	10	1478	0.99327957	0.051218405	5.12%	
517	514	1487	10	1477	0.99327505	0.050873963	5.09%	
518	515	1486	10	1476	0.993270525	0.050531608	5.05%	
519	516	1485	10	1475	0.993265993	0.050191328	5.02%	
520	517	1484	10	1474	0.993261456	0.049853112	4.99%	
521	518	1483	10	1473	0.993256912	0.049516948	4.95%	
522	519	1482	10	1472	0.993252362	0.049182825	4.92%	
523	520	1481	10	1471	0.993247806	0.048850733	4.89%	
524	521	1480	10	1470	0.993243243	0.048520661	4.85%	
525	522	1479	10	1469	0.993238675	0.048192597	4.82%	
526	523	1478	10	1468	0.9932341	0.047866531	4.79%	
527	524	1477	10	1467	0.993229519	0.047542451	4.75%	
528	525	1476	10	1466	0.993224932	0.047220348	4.72%	
529	526	1475	10	1465	0.993220339	0.04690021	4.69%	
530	527	1474	10	1464	0.993215739	0.046582027	4.66%	
531	528	1473	10	1463	0.993211134	0.046265787	4.63%	
532	529	1472	10	1462	0.993206522	0.045951482	4.60%	
533	530	1471	10	1461	0.993201903	0.045639099	4.56%	
534	531	1470	10	1460	0.993197279	0.045328629	4.53%	
535	532	1469	10	1459	0.993192648	0.045020061	4.50%	
536	533	1468	10	1458	0.993188011	0.044713385	4.47%	
537	534	1467	10	1457	0.993183367	0.04440859	4.44%	
538	535	1466	10	1456	0.993178718	0.044105667	4.41%	
539	536	1465	10	1455	0.993174061	0.043804604	4.38%	
540	537	1464	10	1454	0.993169399	0.043505392	4.35%	
541	538	1463	10	1453	0.99316473	0.043208021	4.32%	
542	539	1462	10	1452	0.993160055	0.042912481	4.29%	
543	540	1461	10	1451	0.993155373	0.042618761	4.26%	
544	541	1460	10	1450	0.993150685	0.042326852	4.23%	
545	542	1459	10	1449	0.99314599	0.042036743	4.20%	
546	543	1458	10	1448	0.993141289	0.041748425	4.17%	
547	544	1457	10	1447	0.993136582	0.041461888	4.15%	
548	545	1456	10	1446	0.993131868	0.041177122	4.12%	
549	546	1455	10	1445	0.993127148	0.040894118	4.09%	
550	547	1454	10	1444	0.993122421	0.040612866	4.06%	
551	548	1453	10	1443	0.993117688	0.040333355	4.03%	
552	549	1452	10	1442	0.993112948	0.040055577	4.01%	
553	550	1451	10	1441	0.993108201	0.039779522	3.98%	
554	551	1450	10	1440	0.993103448	0.039505181	3.95%	
555	552	1449	10	1439	0.993098689	0.039232543	3.92%	
556	553	1448	10	1438	0.993093923	0.0389616	3.90%	
557	554	1447	10	1437	0.99308915	0.038692343	3.87%	
558	555	1446	10	1436	0.993084371	0.038424761	3.84%	
559	556	1445	10	1435	0.993079585	0.038158845	3.82%	
560	557	1444	10	1434	0.993074792	0.037894587	3.79%	
561	558	1443	10	1433	0.993069993	0.037631978	3.76%	
562	559	1442	10	1432	0.993065187	0.037371007	3.74%	
563	560	1441	10	1431	0.993060375	0.037111666	3.71%	
564	561	1440	10	1430	0.993055556	0.036853946	3.69%	
565	562	1439	10	1429	0.99305073	0.036597838	3.66%	
566	563	1438	10	1428	0.993045897	0.036343333	3.63%	
567	564	1437	10	1427	0.993041058	0.036090422	3.61%	
568	565	1436	10	1426	0.993036212	0.035839096	3.58%	
569	566	1435	10	1425	0.993031359	0.035589346	3.56%	
570	567	1434	10	1424	0.993026499	0.035341164	3.53%	
571	568	1433	10	1423	0.993021633	0.03509454	3.51%	
572	569	1432	10	1422	0.99301676	0.034849466	3.48%	
573	570	1431	10	1421	0.99301188	0.034605934	3.46%	
574	571	1430	10	1420	0.993006993	0.034363935	3.44%	
575	572	1429	10	1419	0.993002099	0.034123459	3.41%	
576	573	1428	10	1418	0.992997199	0.033884499	3.39%	
577	574	1427	10	1417	0.992992292	0.033647047	3.36%	
578	575	1426	10	1416	0.992987377	0.033411093	3.34%	
579	576	1425	10	1415	0.992982456	0.033176629	3.32%	

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1	<b>Calculations for Non-Detection Probability of Tampering, In a Constituency With 2000 Voting Booths</b> (With One EVM - VVPAT Pair in Each Booth, When VVPAT Counts Are Cross Checked With EVM Counts) (This is "Source Excel File-2000 Booths" or "SEF-2000 booths", Sheet-10) (Revised By Dr Ramesh Bellamkonda, 2019-02-10)							
2	<b>No. of booths in constituency =</b>		<b>2000</b>			<b>Assumed No of Booths Tampered =</b>		<b>10</b>
3	Random Cross Check No. (for VVPAT-EVM Counts)	Total No. of EVM-VVPAT Pairs in the pool that are yet to be cross checked	Absolute no. of EVMs Assumed to be tampered in the constituency	Absolute no. of non-tampered EVMs that remain, given that no tampered EVMs detected thus far	Probability of not detecting tampering of any EVM, in the particular random cross check of VVPAT-EVM counts	Probability of not detecting tampering of any EVM, in the cumulative random cross checks of VVPAT-EVM counts, till that point	Probability of not detecting tampering of any EVM, in the cumulative random cross checks of VVPAT-EVM counts, till that point, <b>% age</b>	
580	577	1424	10	1414	0.992977528	0.032943647	3.29%	
581	578	1423	10	1413	0.992972593	0.032712139	3.27%	
582	579	1422	10	1412	0.992967651	0.032482095	3.25%	
583	580	1421	10	1411	0.992962702	0.032253509	3.23%	
584	581	1420	10	1410	0.992957746	0.032026372	3.20%	
585	582	1419	10	1409	0.992952784	0.031800675	3.18%	
586	583	1418	10	1408	0.992947814	0.031576411	3.16%	
587	584	1417	10	1407	0.992942837	0.031353571	3.14%	
588	585	1416	10	1406	0.992937853	0.031132147	3.11%	
589	586	1415	10	1405	0.992932862	0.030912132	3.09%	
590	587	1414	10	1404	0.992927864	0.030693517	3.07%	
591	588	1413	10	1403	0.992922859	0.030476295	3.05%	
592	589	1412	10	1402	0.992917847	0.030260457	3.03%	
593	590	1411	10	1401	0.992912828	0.030045996	3.00%	
594	591	1410	10	1400	0.992907801	0.029832904	2.98%	
595	592	1409	10	1399	0.992902768	0.029621173	2.96%	
596	593	1408	10	1398	0.992897727	0.029410795	2.94%	
597	594	1407	10	1397	0.992892679	0.029201763	2.92%	
598	595	1406	10	1396	0.992887624	0.02899407	2.90%	
599	596	1405	10	1395	0.992882562	0.028787706	2.88%	
600	597	1404	10	1394	0.992877493	0.028582665	2.86%	
601	598	1403	10	1393	0.992872416	0.02837894	2.84%	
602	599	1402	10	1392	0.992867332	0.028176522	2.82%	
603	600	1401	10	1391	0.992862241	0.027975405	2.80%	
604	601	1400	10	1390	0.992857143	0.027775581	2.78%	
605	602	1399	10	1389	0.992852037	0.027577042	2.76%	
606	603	1398	10	1388	0.992846924	0.027379781	2.74%	
607	604	1397	10	1387	0.992841804	0.027183792	2.72%	
608	605	1396	10	1386	0.992836676	0.026989065	2.70%	
609	606	1395	10	1385	0.992831541	0.026795595	2.68%	
610	607	1394	10	1384	0.992826399	0.026603374	2.66%	
611	608	1393	10	1383	0.992821249	0.026412395	2.64%	
612	609	1392	10	1382	0.992816092	0.026222651	2.62%	
613	610	1391	10	1381	0.992810927	0.026034135	2.60%	
614	611	1390	10	1380	0.992805755	0.025846839	2.58%	
615	612	1389	10	1379	0.992800576	0.025660756	2.57%	
616	613	1388	10	1378	0.992795389	0.025475881	2.55%	
617	614	1387	10	1377	0.992790195	0.025292204	2.53%	
618	615	1386	10	1376	0.992784993	0.025109721	2.51%	
619	616	1385	10	1375	0.992779783	0.024928423	2.49%	
620	617	1384	10	1374	0.992774566	0.024748305	2.47%	
621	618	1383	10	1373	0.992769342	0.024569358	2.46%	
622	619	1382	10	1372	0.99276411	0.024391577	2.44%	
623	620	1381	10	1371	0.99275887	0.024214954	2.42%	
624	621	1380	10	1370	0.992753623	0.024039484	2.40%	
625	622	1379	10	1369	0.992748368	0.023865158	2.39%	
626	623	1378	10	1368	0.992743106	0.023691971	2.37%	
627	624	1377	10	1367	0.992737836	0.023519916	2.35%	
628	625	1376	10	1366	0.992732558	0.023348987	2.33%	
629	626	1375	10	1365	0.992727273	0.023179176	2.32%	
630	627	1374	10	1364	0.99272198	0.023010477	2.30%	
631	628	1373	10	1363	0.992716679	0.022842885	2.28%	
632	629	1372	10	1362	0.99271137	0.022676391	2.27%	
633	630	1371	10	1361	0.992706054	0.022510991	2.25%	
634	631	1370	10	1360	0.99270073	0.022346677	2.23%	
635	632	1369	10	1359	0.992695398	0.022183444	2.22%	
636	633	1368	10	1358	0.992690058	0.022021284	2.20%	
637	634	1367	10	1357	0.992684711	0.021860192	2.19%	
638	635	1366	10	1356	0.992679356	0.021700161	2.17%	
639	636	1365	10	1355	0.992673993	0.021541186	2.15%	
640	637	1364	10	1354	0.992668622	0.021383259	2.14%	
641	638	1363	10	1353	0.992663243	0.021226375	2.12%	
642	639	1362	10	1352	0.992657856	0.021070528	2.11%	
643	640	1361	10	1351	0.992652461	0.020915712	2.09%	

	A	B	C	D	E	F	G	
1	<b>Calculations for Non-Detection Probability of Tampering, In a Constituency With 2000 Voting Booths</b> (With One EVM - VVPAT Pair in Each Booth, When VVPAT Counts Are Cross Checked With EVM Counts) (This is "Source Excel File-2000 Booths" or "SEF-2000 booths", Sheet-10) (Revised By Dr Ramesh Bellamkonda, 2019-02-10)							
2	<b>No. of booths in constituency =</b>		<b>2000</b>			<b>Assumed No of Booths Tampered =</b>		<b>10</b>
3	Random Cross Check No. (for VVPAT-EVM Counts)	Total No. of EVM-VVPAT Pairs in the pool that are yet to be cross checked	Absolute no. of EVMs Assumed to be tampered in the constituency	Absolute no. of non-tampered EVMs that remain, given that no tampered EVMs detected thus far	Probability of not detecting tampering of any EVM, in the particular random cross check of VVPAT-EVM counts	Probability of not detecting tampering of any EVM, in the cumulative random cross checks of VVPAT-EVM counts, till that point	Probability of not detecting tampering of any EVM, in the cumulative random cross checks of VVPAT-EVM counts, till that point, <b>% age</b>	
644	641	1360	10	1350	0.992647059	0.02076192	2.08%	
645	642	1359	10	1349	0.992641648	0.020609146	2.06%	
646	643	1358	10	1348	0.99263623	0.020457385	2.05%	
647	644	1357	10	1347	0.992630803	0.020306631	2.03%	
648	645	1356	10	1346	0.992625369	0.020156877	2.02%	
649	646	1355	10	1345	0.992619926	0.020008118	2.00%	
650	647	1354	10	1344	0.992614476	0.019860347	1.99%	
651	648	1353	10	1343	0.992609017	0.01971356	1.97%	
652	649	1352	10	1342	0.99260355	0.019567749	1.96%	
653	650	1351	10	1341	0.992598075	0.01942291	1.94%	
654	651	1350	10	1340	0.992592593	0.019279037	1.93%	
655	652	1349	10	1339	0.992587102	0.019136123	1.91%	
656	653	1348	10	1338	0.992581602	0.018994164	1.90%	
657	654	1347	10	1337	0.992576095	0.018853153	1.89%	
658	655	1346	10	1336	0.992570579	0.018713085	1.87%	
659	656	1345	10	1335	0.992565056	0.018573954	1.86%	
660	657	1344	10	1334	0.992559524	0.018435755	1.84%	
661	658	1343	10	1333	0.992553984	0.018298482	1.83%	
662	659	1342	10	1332	0.992548435	0.01816213	1.82%	
663	660	1341	10	1331	0.992542878	0.018026693	1.80%	
664	661	1340	10	1330	0.992537313	0.017892165	1.79%	
665	662	1339	10	1329	0.99253174	0.017758542	1.78%	
666	663	1338	10	1328	0.992526158	0.017625817	1.76%	
667	664	1337	10	1327	0.992520568	0.017493986	1.75%	
668	665	1336	10	1326	0.99251497	0.017363043	1.74%	
669	666	1335	10	1325	0.992509363	0.017232983	1.72%	
670	667	1334	10	1324	0.992503748	0.0171038	1.71%	
671	668	1333	10	1323	0.992498125	0.01697549	1.70%	
672	669	1332	10	1322	0.992492492	0.016848046	1.68%	
673	670	1331	10	1321	0.992486852	0.016721464	1.67%	
674	671	1330	10	1320	0.992481203	0.016595739	1.66%	
675	672	1329	10	1319	0.992475546	0.016470865	1.65%	
676	673	1328	10	1318	0.99246988	0.016346837	1.63%	
677	674	1327	10	1317	0.992464205	0.016223651	1.62%	
678	675	1326	10	1316	0.992458522	0.016101301	1.61%	
679	676	1325	10	1315	0.99245283	0.015979781	1.60%	
680	677	1324	10	1314	0.99244713	0.015859088	1.59%	
681	678	1323	10	1313	0.992441421	0.015739216	1.57%	
682	679	1322	10	1312	0.992435703	0.01562016	1.56%	
683	680	1321	10	1311	0.992429977	0.015501915	1.55%	
684	681	1320	10	1310	0.992424242	0.015384476	1.54%	
685	682	1319	10	1309	0.992418499	0.015267839	1.53%	
686	683	1318	10	1308	0.992412747	0.015151998	1.52%	
687	684	1317	10	1307	0.992406986	0.015036948	1.50%	
688	685	1316	10	1306	0.992401216	0.014922686	1.49%	
689	686	1315	10	1305	0.992395437	0.014809205	1.48%	
690	687	1314	10	1304	0.99238965	0.014696502	1.47%	
691	688	1313	10	1303	0.992383854	0.014584572	1.46%	
692	689	1312	10	1302	0.992378049	0.014473409	1.45%	
693	690	1311	10	1301	0.992372235	0.014363009	1.44%	
694	691	1310	10	1300	0.992366412	0.014253368	1.43%	
695	692	1309	10	1299	0.992360581	0.014144448	1.41%	
696	693	1308	10	1298	0.99235474	0.014036342	1.40%	
697	694	1307	10	1297	0.992348891	0.013928948	1.39%	
698	695	1306	10	1296	0.992343032	0.013822295	1.38%	
699	696	1305	10	1295	0.992337165	0.013716377	1.37%	
700	697	1304	10	1294	0.992331288	0.01361119	1.36%	
701	698	1303	10	1293	0.992325403	0.013506729	1.35%	
702	699	1302	10	1292	0.992319508	0.013402991	1.34%	
703	700	1301	10	1291	0.992313605	0.01329997	1.33%	
704	701	1300	10	1290	0.992307692	0.013197663	1.32%	
705	702	1299	10	1289	0.992301771	0.013096064	1.31%	
706	703	1298	10	1288	0.99229584	0.01299517	1.30%	
707	704	1297	10	1287	0.9922899	0.012894976	1.29%	

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3	Random Cross Check No. (for VVPAT-EVM Counts)	Total No. of EVM-VVPAT Pairs in the pool that are yet to be cross checked	Absolute no. of EVMs Assumed to be tampered in the constituency	Absolute no. of non-tampered EVMs that remain, given that no tampered EVMs detected thus far	Probability of not detecting tampering of any EVM, in the particular random cross check of VVPAT-EVM counts	Probability of not detecting tampering of any EVM, in the cumulative random cross checks of VVPAT-EVM counts, till that point	Probability of not detecting tampering of any EVM, in the cumulative random cross checks of VVPAT-EVM counts, till that point, % <u>age</u>	
708	705	1296	10	1286	0.992283951	0.012795478	1.28%	
709	706	1295	10	1285	0.992277992	0.012696671	1.27%	
710	707	1294	10	1284	0.992272025	0.012598552	1.26%	
711	708	1293	10	1283	0.992266048	0.012501115	1.25%	
712	709	1292	10	1282	0.992260062	0.012404357	1.24%	
713	710	1291	10	1281	0.992254067	0.012308274	1.23%	
714	711	1290	10	1280	0.992248062	0.012212861	1.22%	
715	712	1289	10	1279	0.992242048	0.012118114	1.21%	
716	713	1288	10	1278	0.992236025	0.012024029	1.20%	
717	714	1287	10	1277	0.992229992	0.011930602	1.19%	
718	715	1286	10	1276	0.99222395	0.011837829	1.18%	
719	716	1285	10	1275	0.992217899	0.011745706	1.17%	
720	717	1284	10	1274	0.992211838	0.011654229	1.17%	
721	718	1283	10	1273	0.992205768	0.011563393	1.16%	
722	719	1282	10	1272	0.992199688	0.011473195	1.15%	
723	720	1281	10	1271	0.992193599	0.011383631	1.14%	
724	721	1280	10	1270	0.9921875	0.011294696	1.13%	
725	722	1279	10	1269	0.992181392	0.011206387	1.12%	
726	723	1278	10	1268	0.992175274	0.0111187	1.11%	
727	724	1277	10	1267	0.992169146	0.011031631	1.10%	
728	725	1276	10	1266	0.992163009	0.010945177	1.09%	
729	726	1275	10	1265	0.992156863	0.010859332	1.09%	
730	727	1274	10	1264	0.992150706	0.010774094	1.08%	
731	728	1273	10	1263	0.99214454	0.010689459	1.07%	
732	729	1272	10	1262	0.992138365	0.010605422	1.06%	
733	730	1271	10	1261	0.992132179	0.01052198	1.05%	
734	731	1270	10	1260	0.992125984	0.01043913	1.04%	
735	732	1269	10	1259	0.992119779	0.010356867	1.04%	
736	733	1268	10	1258	0.992113565	0.010275189	1.03%	
737	734	1267	10	1257	0.99210734	0.01019409	1.02%	
738	735	1266	10	1256	0.992101106	0.010113568	1.01%	
739	736	1265	10	1255	0.992094862	0.010033619	1.00%	
740	737	1264	10	1254	0.992088608	0.009954239	1.00%	
741	738	1263	10	1253	0.992082344	0.009875425	0.99%	
742	739	1262	10	1252	0.99207607	0.009797173	0.98%	
743	740	1261	10	1251	0.992069786	0.009719479	0.97%	
744	741	1260	10	1250	0.992063492	0.00964234	0.96%	
745	742	1259	10	1249	0.992057188	0.009565753	0.96%	
746	743	1258	10	1248	0.992050874	0.009489714	0.95%	
747	744	1257	10	1247	0.992044551	0.009414219	0.94%	
748	745	1256	10	1246	0.992038217	0.009339265	0.93%	
749	746	1255	10	1245	0.992031873	0.009264848	0.93%	
750	747	1254	10	1244	0.992025518	0.009190966	0.92%	
751	748	1253	10	1243	0.992019154	0.009117614	0.91%	
752	749	1252	10	1242	0.99201278	0.009044479	0.90%	
753	750	1251	10	1241	0.992006395	0.008972489	0.90%	
754	751	1250	10	1240	0.992	0.008900709	0.89%	
755	752	1249	10	1239	0.991993595	0.008829447	0.88%	
756	753	1248	10	1238	0.991987179	0.008758698	0.88%	
757	754	1247	10	1237	0.991980754	0.008688846	0.87%	
758	755	1246	10	1236	0.991974318	0.008618729	0.86%	
759	756	1245	10	1235	0.991967871	0.008549502	0.85%	
760	757	1244	10	1234	0.991961415	0.008480776	0.85%	
761	758	1243	10	1233	0.991954948	0.008412548	0.84%	
762	759	1242	10	1232	0.99194847	0.008344814	0.83%	
763	760	1241	10	1231	0.991941982	0.008277571	0.83%	
764	761	1240	10	1230	0.991935484	0.008210817	0.82%	
765	762	1239	10	1229	0.991928975	0.008144547	0.81%	
766	763	1238	10	1228	0.991922456	0.008078759	0.81%	
767	764	1237	10	1227	0.991915926	0.00801345	0.80%	
768	765	1236	10	1226	0.991909385	0.007948616	0.79%	
769	766	1235	10	1225	0.991902834	0.007884255	0.79%	
770	767	1234	10	1224	0.991896272	0.007820363	0.78%	
771	768	1233	10	1223	0.9918897	0.007756938	0.78%	

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3	Random Cross Check No. (for VVPAT-EVM Counts)	Total No. of EVM-VVPAT Pairs in the pool that are yet to be cross checked	Absolute no. of EVMs Assumed to be tampered in the constituency	Absolute no. of non-tampered EVMs that remain, given that no tampered EVMs detected thus far	Probability of not detecting tampering of any EVM, in the particular random cross check of VVPAT-EVM counts	Probability of not detecting tampering of any EVM, in the cumulative random cross checks of VVPAT-EVM counts, till that point	Probability of not detecting tampering of any EVM, in the cumulative random cross checks of VVPAT-EVM counts, till that point, <b>% age</b>	
772	769	1232	10	1222	0.991883117	0.007693975	0.77%	
773	770	1231	10	1221	0.991876523	0.007631474	0.76%	
774	771	1230	10	1220	0.991869919	0.007569429	0.76%	
775	772	1229	10	1219	0.991863303	0.007507839	0.75%	
776	773	1228	10	1218	0.991856678	0.0074467	0.74%	
777	774	1227	10	1217	0.991850041	0.00738601	0.74%	
778	775	1226	10	1216	0.991843393	0.007325765	0.73%	
779	776	1225	10	1215	0.991836735	0.007265963	0.73%	
780	777	1224	10	1214	0.991830065	0.0072066	0.72%	
781	778	1223	10	1213	0.991823385	0.007147675	0.71%	
782	779	1222	10	1212	0.991816694	0.007089183	0.71%	
783	780	1221	10	1211	0.991809992	0.007031123	0.70%	
784	781	1220	10	1210	0.991803279	0.006973491	0.70%	
785	782	1219	10	1209	0.991796555	0.006916284	0.69%	
786	783	1218	10	1208	0.991789819	0.0068595	0.69%	
787	784	1217	10	1207	0.991783073	0.006803136	0.68%	
788	785	1216	10	1206	0.991776316	0.006747189	0.67%	
789	786	1215	10	1205	0.991769547	0.006691657	0.67%	
790	787	1214	10	1204	0.991762768	0.006636536	0.66%	
791	788	1213	10	1203	0.991755977	0.006581824	0.66%	
792	789	1212	10	1202	0.991749175	0.006527519	0.65%	
793	790	1211	10	1201	0.991742362	0.006473617	0.65%	
794	791	1210	10	1200	0.991735537	0.006420116	0.64%	
795	792	1209	10	1199	0.991728701	0.006367013	0.64%	
796	793	1208	10	1198	0.991721854	0.006314306	0.63%	
797	794	1207	10	1197	0.991714996	0.006261992	0.63%	
798	795	1206	10	1196	0.991708126	0.006210069	0.62%	
799	796	1205	10	1195	0.991701245	0.006158533	0.62%	
800	797	1204	10	1194	0.991694352	0.006107382	0.61%	
801	798	1203	10	1193	0.991687448	0.006056614	0.61%	
802	799	1202	10	1192	0.991680532	0.006006226	0.60%	
803	800	1201	10	1191	0.991673605	0.005956216	0.60%	
804	801	1200	10	1190	0.991666667	0.005906581	0.59%	
805	802	1199	10	1189	0.991659716	0.005857318	0.59%	
806	803	1198	10	1188	0.991652755	0.005808426	0.58%	
807	804	1197	10	1187	0.991645781	0.005759901	0.58%	
808	805	1196	10	1186	0.991638796	0.005711741	0.57%	
809	806	1195	10	1185	0.991631799	0.005663944	0.57%	
810	807	1194	10	1184	0.991624791	0.005616508	0.56%	
811	808	1193	10	1183	0.991617777	0.005569429	0.56%	
812	809	1192	10	1182	0.991610738	0.005522705	0.55%	
813	810	1191	10	1181	0.991603694	0.005476335	0.55%	
814	811	1190	10	1180	0.991596639	0.005430315	0.54%	
815	812	1189	10	1179	0.991589571	0.005384644	0.54%	
816	813	1188	10	1178	0.991582492	0.005339319	0.53%	
817	814	1187	10	1177	0.9915754	0.005294337	0.53%	
818	815	1186	10	1176	0.991568297	0.005249697	0.52%	
819	816	1185	10	1175	0.991561181	0.005205396	0.52%	
820	817	1184	10	1174	0.991554054	0.005161431	0.52%	
821	818	1183	10	1173	0.991546915	0.005117801	0.51%	
822	819	1182	10	1172	0.991539763	0.005074503	0.51%	
823	820	1181	10	1171	0.991532599	0.005031536	0.50%	
824	821	1180	10	1170	0.991525424	0.004988895	0.50%	
825	822	1179	10	1169	0.991518236	0.004946581	0.49%	
826	823	1178	10	1168	0.991511036	0.004904589	0.49%	
827	824	1177	10	1167	0.991503823	0.004862919	0.49%	
828	825	1176	10	1166	0.991496599	0.004821568	0.48%	
829	826	1175	10	1165	0.991489362	0.004780533	0.48%	
830	827	1174	10	1164	0.991482112	0.004739813	0.47%	
831	828	1173	10	1163	0.991474851	0.004699406	0.47%	
832	829	1172	10	1162	0.991467577	0.004659308	0.47%	
833	830	1171	10	1161	0.99146029	0.004619519	0.46%	
834	831	1170	10	1160	0.991452991	0.004580036	0.46%	
835	832	1169	10	1159	0.99144568	0.004540857	0.45%	

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836	833	1168	10	1158	0.991438356	0.00450198	0.45%	
837	834	1167	10	1157	0.99143102	0.004463402	0.45%	
838	835	1166	10	1156	0.991423671	0.004425123	0.44%	
839	836	1165	10	1155	0.991416309	0.004387139	0.44%	
840	837	1164	10	1154	0.991408935	0.004349449	0.43%	
841	838	1163	10	1153	0.991401548	0.00431205	0.43%	
842	839	1162	10	1152	0.991394148	0.004274941	0.43%	
843	840	1161	10	1151	0.991386736	0.00423812	0.42%	
844	841	1160	10	1150	0.99137931	0.004201585	0.42%	
845	842	1159	10	1149	0.991371872	0.004165333	0.42%	
846	843	1158	10	1148	0.991364421	0.004129363	0.41%	
847	844	1157	10	1147	0.991356958	0.004093672	0.41%	
848	845	1156	10	1146	0.991349481	0.00405826	0.41%	
849	846	1155	10	1145	0.991341991	0.004023124	0.40%	
850	847	1154	10	1144	0.991334489	0.003988261	0.40%	
851	848	1153	10	1143	0.991326973	0.003953671	0.40%	
852	849	1152	10	1142	0.991319444	0.003919351	0.39%	
853	850	1151	10	1141	0.991311903	0.003885299	0.39%	
854	851	1150	10	1140	0.991304348	0.003851514	0.39%	
855	852	1149	10	1139	0.99129678	0.003817993	0.38%	
856	853	1148	10	1138	0.991289199	0.003784736	0.38%	
857	854	1147	10	1137	0.991281604	0.003751739	0.38%	
858	855	1146	10	1136	0.991273997	0.003719001	0.37%	
859	856	1145	10	1135	0.991266376	0.003686521	0.37%	
860	857	1144	10	1134	0.991258741	0.003654296	0.37%	
861	858	1143	10	1133	0.991251094	0.003622325	0.36%	
862	859	1142	10	1132	0.991243433	0.003590606	0.36%	
863	860	1141	10	1131	0.991235758	0.003559137	0.36%	
864	861	1140	10	1130	0.99122807	0.003527916	0.35%	
865	862	1139	10	1129	0.991220369	0.003496942	0.35%	
866	863	1138	10	1128	0.991212654	0.003466214	0.35%	
867	864	1137	10	1127	0.991204925	0.003435728	0.34%	
868	865	1136	10	1126	0.991197183	0.003405484	0.34%	
869	866	1135	10	1125	0.991189427	0.00337548	0.34%	
870	867	1134	10	1124	0.991181658	0.003345713	0.33%	
871	868	1133	10	1123	0.991173875	0.003316184	0.33%	
872	869	1132	10	1122	0.991166078	0.003286889	0.33%	
873	870	1131	10	1121	0.991158267	0.003257827	0.33%	
874	871	1130	10	1120	0.991150442	0.003228997	0.32%	
875	872	1129	10	1119	0.991142604	0.003200396	0.32%	
876	873	1128	10	1118	0.991134752	0.003172024	0.32%	
877	874	1127	10	1117	0.991126886	0.003143878	0.31%	
878	875	1126	10	1116	0.991119005	0.003115957	0.31%	
879	876	1125	10	1115	0.991111111	0.00308826	0.31%	
880	877	1124	10	1114	0.991103203	0.003060784	0.31%	
881	878	1123	10	1113	0.99109528	0.003033529	0.30%	
882	879	1122	10	1112	0.991087344	0.003006492	0.30%	
883	880	1121	10	1111	0.991079393	0.002979672	0.30%	
884	881	1120	10	1110	0.991071429	0.002953068	0.30%	
885	882	1119	10	1109	0.99106345	0.002926678	0.29%	
886	883	1118	10	1108	0.991055456	0.0029005	0.29%	
887	884	1117	10	1107	0.991047449	0.002874533	0.29%	
888	885	1116	10	1106	0.991039427	0.002848776	0.28%	
889	886	1115	10	1105	0.99103139	0.002823226	0.28%	
890	887	1114	10	1104	0.991023339	0.002797883	0.28%	
891	888	1113	10	1103	0.991015274	0.002772745	0.28%	
892	889	1112	10	1102	0.991007194	0.00274781	0.27%	
893	890	1111	10	1101	0.9909991	0.002723077	0.27%	
894	891	1110	10	1100	0.990990991	0.002698545	0.27%	
895	892	1109	10	1099	0.990982867	0.002674212	0.27%	
896	893	1108	10	1098	0.990974729	0.002650077	0.27%	
897	894	1107	10	1097	0.990966576	0.002626137	0.26%	
898	895	1106	10	1096	0.990958409	0.002602393	0.26%	
899	896	1105	10	1095	0.990950226	0.002578842	0.26%	

	A	B	C	D	E	F	G
1	<b>Calculations for Non-Detection Probability of Tampering, In a Constituency With 2000 Voting Booths</b> (With One EVM - VVPAT Pair in Each Booth, When VVPAT Counts Are Cross Checked With EVM Counts) (This is "Source Excel File-2000 Booths" or "SEF-2000 booths", Sheet-10) (Revised By Dr Ramesh Bellamkonda, 2019-02-10)						
2	<b>No. of booths in constituency =</b>		<b>2000 Assumed No of Booths Tampered =</b>			<b>10</b>	
3	Random Cross Check No. (for VVPAT-EVM Counts)	Total No. of EVM-VVPAT Pairs in the pool that are yet to be cross checked	Absolute no. of EVMs Assumed to be tampered in the constituency	Absolute no. of non-tampered EVMs that remain, given that no tampered EVMs detected thus far	Probability of not detecting tampering of any EVM, in the particular random cross check of VVPAT-EVM counts	Probability of not detecting tampering of any EVM, in the cumulative random cross checks of VVPAT-EVM counts, till that point	Probability of not detecting tampering of any EVM, in the cumulative random cross checks of VVPAT-EVM counts, till that point, <b>% age</b>
900	897	1104	10	1094	0.990942029	0.002555483	0.26%
901	898	1103	10	1093	0.990933817	0.002532314	0.25%
902	899	1102	10	1092	0.99092559	0.002509335	0.25%
903	900	1101	10	1091	0.990917348	0.002486544	0.25%
904	901	1100	10	1090	0.990909091	0.002463939	0.25%
905	902	1099	10	1089	0.990900819	0.002441519	0.24%
906	903	1098	10	1088	0.990892532	0.002419283	0.24%
907	904	1097	10	1087	0.99088423	0.002397229	0.24%
908	905	1096	10	1086	0.990875912	0.002375357	0.24%
909	906	1095	10	1085	0.99086758	0.002353664	0.24%
910	907	1094	10	1084	0.990859232	0.00233215	0.23%
911	908	1093	10	1083	0.990850869	0.002310812	0.23%
912	909	1092	10	1082	0.990842491	0.002289651	0.23%
913	910	1091	10	1081	0.990834097	0.002268664	0.23%
914	911	1090	10	1080	0.990825688	0.002247851	0.22%
915	912	1089	10	1079	0.990817264	0.00222721	0.22%
916	913	1088	10	1078	0.990808824	0.002206739	0.22%
917	914	1087	10	1077	0.990800368	0.002186438	0.22%
918	915	1086	10	1076	0.990791897	0.002166305	0.22%
919	916	1085	10	1075	0.99078341	0.002146339	0.21%
920	917	1084	10	1074	0.990774908	0.002126539	0.21%
921	918	1083	10	1073	0.99076639	0.002106903	0.21%
922	919	1082	10	1072	0.990757856	0.002087431	0.21%
923	920	1081	10	1071	0.990749306	0.00206812	0.21%
924	921	1080	10	1070	0.990740741	0.002048971	0.20%
925	922	1079	10	1069	0.990732159	0.002029982	0.20%
926	923	1078	10	1068	0.990723562	0.002011151	0.20%
927	924	1077	10	1067	0.990714949	0.001992477	0.20%
928	925	1076	10	1066	0.99070632	0.00197396	0.20%
929	926	1075	10	1065	0.990697674	0.001955597	0.20%
930	927	1074	10	1064	0.990689013	0.001937389	0.19%
931	928	1073	10	1063	0.990680336	0.001919333	0.19%
932	929	1072	10	1062	0.990671642	0.001901429	0.19%
933	930	1071	10	1061	0.990662932	0.001883675	0.19%
934	931	1070	10	1060	0.990654206	0.00186607	0.19%
935	932	1069	10	1059	0.990645463	0.001848614	0.18%
936	933	1068	10	1058	0.990636704	0.001831305	0.18%
937	934	1067	10	1057	0.990627929	0.001814142	0.18%
938	935	1066	10	1056	0.990619137	0.001797124	0.18%
939	936	1065	10	1055	0.990610329	0.001780249	0.18%
940	937	1064	10	1054	0.990601504	0.001763518	0.18%
941	938	1063	10	1053	0.990592662	0.001746928	0.17%
942	939	1062	10	1052	0.990583804	0.001730478	0.17%
943	940	1061	10	1051	0.990574929	0.001714168	0.17%
944	941	1060	10	1050	0.990566038	0.001697997	0.17%
945	942	1059	10	1049	0.990557129	0.001681963	0.17%
946	943	1058	10	1048	0.990548204	0.001666065	0.17%
947	944	1057	10	1047	0.990539262	0.001650303	0.17%
948	945	1056	10	1046	0.990530303	0.001634675	0.16%
949	946	1055	10	1045	0.990521327	0.001619181	0.16%
950	947	1054	10	1044	0.990512334	0.001603819	0.16%
951	948	1053	10	1043	0.990503324	0.001588588	0.16%
952	949	1052	10	1042	0.990494297	0.001573487	0.16%
953	950	1051	10	1041	0.990485252	0.001558516	0.16%
954	951	1050	10	1040	0.99047619	0.001543673	0.15%
955	952	1049	10	1039	0.990467112	0.001528957	0.15%
956	953	1048	10	1038	0.990458015	0.001514368	0.15%
957	954	1047	10	1037	0.990448902	0.001499904	0.15%
958	955	1046	10	1036	0.990439771	0.001485564	0.15%
959	956	1045	10	1035	0.990430622	0.001471348	0.15%
960	957	1044	10	1034	0.990421456	0.001457255	0.15%
961	958	1043	10	1033	0.990412272	0.001443283	0.14%
962	959	1042	10	1032	0.990403071	0.001429432	0.14%
963	960	1041	10	1031	0.990393852	0.001415701	0.14%

	A	B	C	D	E	F	G	
1	<b>Calculations for Non-Detection Probability of Tampering, In a Constituency With 2000 Voting Booths</b> (With One EVM - VVPAT Pair in Each Booth, When VVPAT Counts Are Cross Checked With EVM Counts) (This is "Source Excel File-2000 Booths" or "SEF-2000 booths", Sheet-10) (Revised By Dr Ramesh Bellamkonda, 2019-02-10)							
2	<b>No. of booths in constituency =</b>		<b>2000</b>			<b>Assumed No of Booths Tampered =</b>		<b>10</b>
3	Random Cross Check No. (for VVPAT-EVM Counts)	Total No. of EVM-VVPAT Pairs in the pool that are yet to be cross checked	Absolute no. of EVMs Assumed to be tampered in the constituency	Absolute no. of non-tampered EVMs that remain, given that no tampered EVMs detected thus far	Probability of not detecting tampering of any EVM, in the particular random cross check of VVPAT-EVM counts	Probability of not detecting tampering of any EVM, in the cumulative random cross checks of VVPAT-EVM counts, till that point	Probability of not detecting tampering of any EVM, in the cumulative random cross checks of VVPAT-EVM counts, till that point, <b>% age</b>	
964	961	1040	10	1030	0.990384615	0.001402088	0.14%	
965	962	1039	10	1029	0.990375361	0.001388594	0.14%	
966	963	1038	10	1028	0.990366089	0.001375216	0.14%	
967	964	1037	10	1027	0.990356798	0.001361955	0.14%	
968	965	1036	10	1026	0.99034749	0.001348808	0.13%	
969	966	1035	10	1025	0.990338164	0.001335776	0.13%	
970	967	1034	10	1024	0.99032882	0.001322858	0.13%	
971	968	1033	10	1023	0.990319458	0.001310052	0.13%	
972	969	1032	10	1022	0.990310078	0.001297358	0.13%	
973	970	1031	10	1021	0.990300679	0.001284774	0.13%	
974	971	1030	10	1020	0.990291262	0.001272301	0.13%	
975	972	1029	10	1019	0.990281827	0.001259936	0.13%	
976	973	1028	10	1018	0.990272374	0.00124768	0.12%	
977	974	1027	10	1017	0.990262902	0.001235531	0.12%	
978	975	1026	10	1016	0.990253411	0.001223489	0.12%	
979	976	1025	10	1015	0.990243902	0.001211553	0.12%	
980	977	1024	10	1014	0.990234375	0.001199721	0.12%	
981	978	1023	10	1013	0.990224829	0.001187993	0.12%	
982	979	1022	10	1012	0.990215264	0.001176369	0.12%	
983	980	1021	10	1011	0.990205681	0.001164848	0.12%	
984	981	1020	10	1010	0.990196078	0.001153427	0.12%	
985	982	1019	10	1009	0.990186457	0.001142108	0.11%	
986	983	1018	10	1008	0.990176817	0.001130889	0.11%	
987	984	1017	10	1007	0.990167158	0.001119769	0.11%	
988	985	1016	10	1006	0.99015748	0.001108748	0.11%	
989	986	1015	10	1005	0.990147783	0.001097824	0.11%	
990	987	1014	10	1004	0.990138067	0.001086998	0.11%	
991	988	1013	10	1003	0.990128332	0.001076267	0.11%	
992	989	1012	10	1002	0.990118577	0.001065632	0.11%	
993	990	1011	10	1001	0.990108803	0.001055092	0.11%	
994	991	1010	10	1000	0.99009901	0.001044645	0.10%	
995	992	1009	10	999	0.990089197	0.001034292	0.10%	
996	993	1008	10	998	0.990079365	0.001024031	0.10%	
997	994	1007	10	997	0.990069513	0.001013862	0.10%	
998	995	1006	10	996	0.990059642	0.001003784	0.10%	
999	996	1005	10	995	0.990049751	0.000993796	0.10%	
1000	997	1004	10	994	0.990039841	0.000983898	0.10%	
1001	998	1003	10	993	0.99002991	0.000974088	0.10%	
1002	999	1002	10	992	0.99001996	0.000964367	0.10%	
1003	1000	1001	10	991	0.99000999	0.000954733	0.10%	
1004								
1005	<b>Percent of Booths that will need to be cross checked to detect any tampering of EVMs with 99.9% Probability = (A1003/C2)</b>						<b>50.00%</b>	