

	A	B	C	D	E	F	G
1	<b>Calculations for Non-Detection Probability of Tampering, In a Constituency With 1500 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-1500 Booths" or "SEF-1500 booths", Sheet-10) (Revised By Dr Ramesh Bellamkonda, 2019-02-10)						
2	No. of booths in constituency =		1500 Assumed No of Booths Tampered =			10	
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	1500	10	1490	0.993333333	0.993333333	99.33%
5	2	1499	10	1489	0.993328886	0.986706693	98.67%
6	3	1498	10	1488	0.993324433	0.980119866	98.01%
7	4	1497	10	1487	0.993319973	0.973572639	97.36%
8	5	1496	10	1486	0.993315508	0.967064801	96.71%
9	6	1495	10	1485	0.993311037	0.96059614	96.06%
10	7	1494	10	1484	0.99330656	0.954166447	95.42%
11	8	1493	10	1483	0.993302076	0.947775513	94.78%
12	9	1492	10	1482	0.993297587	0.94142313	94.14%
13	10	1491	10	1481	0.993293092	0.935109092	93.51%
14	11	1490	10	1480	0.993288591	0.928833192	92.88%
15	12	1489	10	1479	0.993284083	0.922595225	92.26%
16	13	1488	10	1478	0.99327957	0.916394989	91.64%
17	14	1487	10	1477	0.99327505	0.910232279	91.02%
18	15	1486	10	1476	0.993270525	0.904106893	90.41%
19	16	1485	10	1475	0.993265993	0.898018631	89.80%
20	17	1484	10	1474	0.993261456	0.891967293	89.20%
21	18	1483	10	1473	0.993256912	0.885952679	88.60%
22	19	1482	10	1472	0.993252362	0.87997459	88.00%
23	20	1481	10	1471	0.993247806	0.874032831	87.40%
24	21	1480	10	1470	0.993243243	0.868127203	86.81%
25	22	1479	10	1469	0.993238675	0.862257513	86.23%
26	23	1478	10	1468	0.9932341	0.856423565	85.64%
27	24	1477	10	1467	0.993229519	0.850625166	85.06%
28	25	1476	10	1466	0.993224932	0.844862123	84.49%
29	26	1475	10	1465	0.993220339	0.839134244	83.91%
30	27	1474	10	1464	0.993215739	0.833441339	83.34%
31	28	1473	10	1463	0.993211134	0.827783217	82.78%
32	29	1472	10	1462	0.993206522	0.82215969	82.22%
33	30	1471	10	1461	0.993201903	0.816570569	81.66%
34	31	1470	10	1460	0.993197279	0.811015667	81.10%
35	32	1469	10	1459	0.993192648	0.805494798	80.55%
36	33	1468	10	1458	0.993188011	0.800007776	80.00%
37	34	1467	10	1457	0.993183367	0.794554417	79.46%
38	35	1466	10	1456	0.993178718	0.789134537	78.91%
39	36	1465	10	1455	0.993174061	0.783747953	78.37%
40	37	1464	10	1454	0.993169399	0.778394483	77.84%
41	38	1463	10	1453	0.99316473	0.773073947	77.31%
42	39	1462	10	1452	0.993160055	0.767786163	76.78%
43	40	1461	10	1451	0.993155373	0.762530954	76.25%
44	41	1460	10	1450	0.993150685	0.757308139	75.73%
45	42	1459	10	1449	0.99314599	0.752117542	75.21%
46	43	1458	10	1448	0.993141289	0.746958985	74.70%
47	44	1457	10	1447	0.993136582	0.741832293	74.18%
48	45	1456	10	1446	0.993131868	0.736737291	73.67%
49	46	1455	10	1445	0.993127148	0.731673805	73.17%
50	47	1454	10	1444	0.993122421	0.72664166	72.66%
51	48	1453	10	1443	0.993117688	0.721640685	72.16%
52	49	1452	10	1442	0.993112948	0.716670708	71.67%
53	50	1451	10	1441	0.993108201	0.711731558	71.17%
54	51	1450	10	1440	0.993103448	0.706823064	70.68%
55	52	1449	10	1439	0.993098689	0.701945058	70.19%
56	53	1448	10	1438	0.993093923	0.697097372	69.71%
57	54	1447	10	1437	0.99308915	0.692279836	69.23%
58	55	1446	10	1436	0.993084371	0.687492285	68.75%
59	56	1445	10	1435	0.993079585	0.682734553	68.27%
60	57	1444	10	1434	0.993074792	0.678006475	67.80%
61	58	1443	10	1433	0.993069993	0.673307885	67.33%
62	59	1442	10	1432	0.993065187	0.668638621	66.86%
63	60	1441	10	1431	0.993060375	0.66399852	66.40%
64	61	1440	10	1430	0.993055556	0.659387419	65.94%
65	62	1439	10	1429	0.99305073	0.654805157	65.48%
66	63	1438	10	1428	0.993045897	0.650251575	65.03%
67	64	1437	10	1427	0.993041058	0.645726512	64.57%

	A	B	C	D	E	F	G
1	<b>Calculations for Non-Detection Probability of Tampering, In a Constituency With 1500 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-1500 Booths" or "SEF-1500 booths", Sheet-10) (Revised By Dr Ramesh Bellamkonda, 2019-02-10)						
2	<b>No. of booths in constituency =</b>		<b>1500 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	1436	10	1426	0.993036212	0.641229809	64.12%
69	66	1435	10	1425	0.993031359	0.636761309	63.68%
70	67	1434	10	1424	0.993026499	0.632320853	63.23%
71	68	1433	10	1423	0.993021633	0.627908286	62.79%
72	69	1432	10	1422	0.99301676	0.623523452	62.35%
73	70	1431	10	1421	0.99301188	0.619166195	61.92%
74	71	1430	10	1420	0.993006993	0.614836361	61.48%
75	72	1429	10	1419	0.993002099	0.610533798	61.05%
76	73	1428	10	1418	0.992997199	0.606258351	60.63%
77	74	1427	10	1417	0.992992292	0.602009869	60.20%
78	75	1426	10	1416	0.992987377	0.597788201	59.78%
79	76	1425	10	1415	0.992982456	0.593593196	59.36%
80	77	1424	10	1414	0.992977528	0.589424704	58.94%
81	78	1423	10	1413	0.992972593	0.585282577	58.53%
82	79	1422	10	1412	0.992967651	0.581166666	58.12%
83	80	1421	10	1411	0.992962702	0.577076823	57.71%
84	81	1420	10	1410	0.992957746	0.573012902	57.30%
85	82	1419	10	1409	0.992952784	0.568974756	56.90%
86	83	1418	10	1408	0.992947814	0.56496224	56.50%
87	84	1417	10	1407	0.992942837	0.560975209	56.10%
88	85	1416	10	1406	0.992937853	0.55701352	55.70%
89	86	1415	10	1405	0.992932862	0.553077029	55.31%
90	87	1414	10	1404	0.992927864	0.549165593	54.92%
91	88	1413	10	1403	0.992922859	0.545279071	54.53%
92	89	1412	10	1402	0.992917847	0.541417321	54.14%
93	90	1411	10	1401	0.992912828	0.537580203	53.76%
94	91	1410	10	1400	0.992907801	0.533767578	53.38%
95	92	1409	10	1399	0.992902768	0.529979305	53.00%
96	93	1408	10	1398	0.992897727	0.526215248	52.62%
97	94	1407	10	1397	0.992892679	0.522475267	52.25%
98	95	1406	10	1396	0.992887624	0.518759227	51.88%
99	96	1405	10	1395	0.992882562	0.515066699	51.51%
100	97	1404	10	1394	0.992877493	0.511398422	51.14%
101	98	1403	10	1393	0.992872416	0.507753387	50.78%
102	99	1402	10	1392	0.992867332	0.504131751	50.41%
103	100	1401	10	1391	0.992862241	0.50053338	50.05%
104	101	1400	10	1390	0.992857143	0.496958142	49.70%
105	102	1399	10	1389	0.992852037	0.493405903	49.34%
106	103	1398	10	1388	0.992846924	0.489876533	48.99%
107	104	1397	10	1387	0.992841804	0.486369901	48.64%
108	105	1396	10	1386	0.992836676	0.482885876	48.29%
109	106	1395	10	1385	0.992831541	0.479424329	47.94%
110	107	1394	10	1384	0.992826399	0.47598513	47.60%
111	108	1393	10	1383	0.992821249	0.472568151	47.26%
112	109	1392	10	1382	0.992816092	0.469173265	46.92%
113	110	1391	10	1381	0.992810927	0.465800344	46.58%
114	111	1390	10	1380	0.992805755	0.462449263	46.24%
115	112	1389	10	1379	0.992800576	0.459119894	45.91%
116	113	1388	10	1378	0.992795389	0.455812114	45.58%
117	114	1387	10	1377	0.992790195	0.452525797	45.25%
118	115	1386	10	1376	0.992784993	0.449260821	44.93%
119	116	1385	10	1375	0.992779783	0.44601706	44.60%
120	117	1384	10	1374	0.992774566	0.442794393	44.28%
121	118	1383	10	1373	0.992769342	0.439592699	43.96%
122	119	1382	10	1372	0.99276411	0.436411854	43.64%
123	120	1381	10	1371	0.99275887	0.433251739	43.33%
124	121	1380	10	1370	0.992753623	0.430112234	43.01%
125	122	1379	10	1369	0.992748368	0.426993219	42.70%
126	123	1378	10	1368	0.992743106	0.423894574	42.39%
127	124	1377	10	1367	0.992737836	0.420816182	42.08%
128	125	1376	10	1366	0.992732558	0.417757925	41.78%
129	126	1375	10	1365	0.992727273	0.414719685	41.47%
130	127	1374	10	1364	0.99272198	0.411701347	41.17%
131	128	1373	10	1363	0.992716679	0.408702794	40.87%

	A	B	C	D	E	F	G
	<b>Calculations for Non-Detection Probability of Tampering, In a Constituency With 1500 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-1500 Booths" or "SEF-1500 booths", Sheet-10) (Revised By Dr Ramesh Bellamkonda, 2019-02-10)						
1	No. of booths in constituency =		1500 Assumed No of Booths Tampered =			10	
2	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>
3							
132	129	1372	10	1362	0.99271137	0.405723911	40.57%
133	130	1371	10	1361	0.992706054	0.402764582	40.28%
134	131	1370	10	1360	0.99270073	0.399824695	39.98%
135	132	1369	10	1359	0.992695398	0.396904135	39.69%
136	133	1368	10	1358	0.992690058	0.394002789	39.40%
137	134	1367	10	1357	0.992684711	0.391120544	39.11%
138	135	1366	10	1356	0.992679356	0.38825729	38.83%
139	136	1365	10	1355	0.992673993	0.385412914	38.54%
140	137	1364	10	1354	0.992668622	0.382587306	38.26%
141	138	1363	10	1353	0.992663243	0.379780356	37.98%
142	139	1362	10	1352	0.992657856	0.376991954	37.70%
143	140	1361	10	1351	0.992652461	0.374221991	37.42%
144	141	1360	10	1350	0.992647059	0.371470359	37.15%
145	142	1359	10	1349	0.992641648	0.368736949	36.87%
146	143	1358	10	1348	0.99263623	0.366021655	36.60%
147	144	1357	10	1347	0.992630803	0.36332437	36.33%
148	145	1356	10	1346	0.992625369	0.360644986	36.06%
149	146	1355	10	1345	0.992619926	0.3579834	35.80%
150	147	1354	10	1344	0.992614476	0.355339505	35.53%
151	148	1353	10	1343	0.992609017	0.352713196	35.27%
152	149	1352	10	1342	0.99260355	0.350104371	35.01%
153	150	1351	10	1341	0.992598075	0.347512925	34.75%
154	151	1350	10	1340	0.992592593	0.344938755	34.49%
155	152	1349	10	1339	0.992587102	0.342381759	34.24%
156	153	1348	10	1338	0.992581602	0.339841835	33.98%
157	154	1347	10	1337	0.992576095	0.337318882	33.73%
158	155	1346	10	1336	0.992570579	0.334812798	33.48%
159	156	1345	10	1335	0.992565056	0.332323483	33.23%
160	157	1344	10	1334	0.992559524	0.329850838	32.99%
161	158	1343	10	1333	0.992553984	0.327394764	32.74%
162	159	1342	10	1332	0.992548435	0.32495516	32.50%
163	160	1341	10	1331	0.992542878	0.32253193	32.25%
164	161	1340	10	1330	0.992537313	0.320124975	32.01%
165	162	1339	10	1329	0.99253174	0.317734199	31.77%
166	163	1338	10	1328	0.992526158	0.315359504	31.54%
167	164	1337	10	1327	0.992520568	0.313000794	31.30%
168	165	1336	10	1326	0.99251497	0.310657974	31.07%
169	166	1335	10	1325	0.992509363	0.308330948	30.83%
170	167	1334	10	1324	0.992503748	0.306019621	30.60%
171	168	1333	10	1323	0.992498125	0.3037239	30.37%
172	169	1332	10	1322	0.992492492	0.301443691	30.14%
173	170	1331	10	1321	0.992486852	0.2991789	29.92%
174	171	1330	10	1320	0.992481203	0.296929434	29.69%
175	172	1329	10	1319	0.992475546	0.294695202	29.47%
176	173	1328	10	1318	0.99246988	0.292476112	29.25%
177	174	1327	10	1317	0.992464205	0.290272072	29.03%
178	175	1326	10	1316	0.992458522	0.288082991	28.81%
179	176	1325	10	1315	0.99245283	0.28590878	28.59%
180	177	1324	10	1314	0.99244713	0.283749348	28.37%
181	178	1323	10	1313	0.992441421	0.281604606	28.16%
182	179	1322	10	1312	0.992435703	0.279474466	27.95%
183	180	1321	10	1311	0.992429977	0.277358838	27.74%
184	181	1320	10	1310	0.992424242	0.275257634	27.53%
185	182	1319	10	1309	0.992418499	0.273170768	27.32%
186	183	1318	10	1308	0.992412747	0.271098152	27.11%
187	184	1317	10	1307	0.992406986	0.2690397	26.90%
188	185	1316	10	1306	0.992401216	0.266995326	26.70%
189	186	1315	10	1305	0.992395437	0.264964943	26.50%
190	187	1314	10	1304	0.99238965	0.262948467	26.29%
191	188	1313	10	1303	0.992383854	0.260945813	26.09%
192	189	1312	10	1302	0.992378049	0.258956897	25.90%
193	190	1311	10	1301	0.992372235	0.256981634	25.70%
194	191	1310	10	1300	0.992366412	0.255019942	25.50%
195	192	1309	10	1299	0.992360581	0.253071738	25.31%

	A	B	C	D	E	F	G
	<b>Calculations for Non-Detection Probability of Tampering, In a Constituency With 1500 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-1500 Booths" or "SEF-1500 booths", Sheet-10) (Revised By Dr Ramesh Bellamkonda, 2019-02-10)						
1	No. of booths in constituency =		1500 Assumed No of Booths Tampered =			10	
2	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>
3							
196	193	1308	10	1298	0.99235474	0.251136939	25.11%
197	194	1307	10	1297	0.992348891	0.249215463	24.92%
198	195	1306	10	1296	0.992343032	0.247307228	24.73%
199	196	1305	10	1295	0.992337165	0.245412153	24.54%
200	197	1304	10	1294	0.992331288	0.243530158	24.35%
201	198	1303	10	1293	0.992325403	0.241661162	24.17%
202	199	1302	10	1292	0.992319508	0.239805086	23.98%
203	200	1301	10	1291	0.992313605	0.237961849	23.80%
204	201	1300	10	1290	0.992307692	0.236131374	23.61%
205	202	1299	10	1289	0.992301771	0.23431358	23.43%
206	203	1298	10	1288	0.99229584	0.232508391	23.25%
207	204	1297	10	1287	0.9922899	0.230715728	23.07%
208	205	1296	10	1286	0.992283951	0.228935514	22.89%
209	206	1295	10	1285	0.992277992	0.227167672	22.72%
210	207	1294	10	1284	0.992272025	0.225412126	22.54%
211	208	1293	10	1283	0.992266048	0.223668799	22.37%
212	209	1292	10	1282	0.992260062	0.221937617	22.19%
213	210	1291	10	1281	0.992254067	0.220218503	22.02%
214	211	1290	10	1280	0.992248062	0.218511382	21.85%
215	212	1289	10	1279	0.992242048	0.216816182	21.68%
216	213	1288	10	1278	0.992236025	0.215132826	21.51%
217	214	1287	10	1277	0.992229992	0.213461242	21.35%
218	215	1286	10	1276	0.99222395	0.211801357	21.18%
219	216	1285	10	1275	0.992217899	0.210153098	21.02%
220	217	1284	10	1274	0.992211838	0.208516391	20.85%
221	218	1283	10	1273	0.992205768	0.206891166	20.69%
222	219	1282	10	1272	0.992199688	0.20527735	20.53%
223	220	1281	10	1271	0.992193599	0.203674873	20.37%
224	221	1280	10	1270	0.9921875	0.202083663	20.21%
225	222	1279	10	1269	0.992181392	0.20050365	20.05%
226	223	1278	10	1268	0.992175274	0.198934764	19.89%
227	224	1277	10	1267	0.992169146	0.197376935	19.74%
228	225	1276	10	1266	0.992163009	0.195830094	19.58%
229	226	1275	10	1265	0.992156863	0.194294171	19.43%
230	227	1274	10	1264	0.992150706	0.192769099	19.28%
231	228	1273	10	1263	0.99214454	0.19125481	19.13%
232	229	1272	10	1262	0.992138365	0.189751234	18.98%
233	230	1271	10	1261	0.992132179	0.188258305	18.83%
234	231	1270	10	1260	0.992125984	0.186775957	18.68%
235	232	1269	10	1259	0.992119779	0.185304121	18.53%
236	233	1268	10	1258	0.992113565	0.183842732	18.38%
237	234	1267	10	1257	0.99210734	0.182391724	18.24%
238	235	1266	10	1256	0.992101106	0.180951031	18.10%
239	236	1265	10	1255	0.992094862	0.179520588	17.95%
240	237	1264	10	1254	0.992088608	0.17810033	17.81%
241	238	1263	10	1253	0.992082344	0.176690193	17.67%
242	239	1262	10	1252	0.99207607	0.175290112	17.53%
243	240	1261	10	1251	0.992069786	0.173900024	17.39%
244	241	1260	10	1250	0.992063492	0.172519865	17.25%
245	242	1259	10	1249	0.992057188	0.171149572	17.11%
246	243	1258	10	1248	0.992050874	0.169789083	16.98%
247	244	1257	10	1247	0.992044551	0.168438334	16.84%
248	245	1256	10	1246	0.992038217	0.167097265	16.71%
249	246	1255	10	1245	0.992031873	0.165765812	16.58%
250	247	1254	10	1244	0.992025518	0.164443916	16.44%
251	248	1253	10	1243	0.992019154	0.163131514	16.31%
252	249	1252	10	1242	0.99201278	0.161828547	16.18%
253	250	1251	10	1241	0.992006395	0.160534954	16.05%
254	251	1250	10	1240	0.992	0.159250674	15.93%
255	252	1249	10	1239	0.991993595	0.157975649	15.80%
256	253	1248	10	1238	0.991987179	0.156709818	15.67%
257	254	1247	10	1237	0.991980754	0.155453123	15.55%
258	255	1246	10	1236	0.991974318	0.154205506	15.42%
259	256	1245	10	1235	0.991967871	0.152966908	15.30%

	A	B	C	D	E	F	G
	<b>Calculations for Non-Detection Probability of Tampering, In a Constituency With 1500 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-1500 Booths" or "SEF-1500 booths", Sheet-10) (Revised By Dr Ramesh Bellamkonda, 2019-02-10)						
1	No. of booths in constituency =		1500 Assumed No of Booths Tampered =			10	
2	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>
3							
260	257	1244	10	1234	0.991961415	0.15173727	15.17%
261	258	1243	10	1233	0.991954948	0.150516536	15.05%
262	259	1242	10	1232	0.99194847	0.149304647	14.93%
263	260	1241	10	1231	0.991941982	0.148101548	14.81%
264	261	1240	10	1230	0.991935484	0.146907181	14.69%
265	262	1239	10	1229	0.991928975	0.145721489	14.57%
266	263	1238	10	1228	0.991922456	0.144544417	14.45%
267	264	1237	10	1227	0.991915926	0.143375909	14.34%
268	265	1236	10	1226	0.991909385	0.14221591	14.22%
269	266	1235	10	1225	0.991902834	0.141064364	14.11%
270	267	1234	10	1224	0.991896272	0.139921217	13.99%
271	268	1233	10	1223	0.9918897	0.138786414	13.88%
272	269	1232	10	1222	0.991883117	0.137659901	13.77%
273	270	1231	10	1221	0.991876523	0.136541624	13.65%
274	271	1230	10	1220	0.991869919	0.135431529	13.54%
275	272	1229	10	1219	0.991863303	0.134329564	13.43%
276	273	1228	10	1218	0.991856678	0.133235675	13.32%
277	274	1227	10	1217	0.991850041	0.13214981	13.21%
278	275	1226	10	1216	0.991843393	0.131071916	13.11%
279	276	1225	10	1215	0.991836735	0.130001941	13.00%
280	277	1224	10	1214	0.991830065	0.128939834	12.89%
281	278	1223	10	1213	0.991823385	0.127885542	12.79%
282	279	1222	10	1212	0.991816694	0.126839016	12.68%
283	280	1221	10	1211	0.991809992	0.125800203	12.58%
284	281	1220	10	1210	0.991803279	0.124769054	12.48%
285	282	1219	10	1209	0.991796555	0.123745518	12.37%
286	283	1218	10	1208	0.991789819	0.122729545	12.27%
287	284	1217	10	1207	0.991783073	0.121721085	12.17%
288	285	1216	10	1206	0.991776316	0.120720089	12.07%
289	286	1215	10	1205	0.991769547	0.119726508	11.97%
290	287	1214	10	1204	0.991762768	0.118740293	11.87%
291	288	1213	10	1203	0.991755977	0.117761396	11.78%
292	289	1212	10	1202	0.991749175	0.116789767	11.68%
293	290	1211	10	1201	0.991742362	0.115825359	11.58%
294	291	1210	10	1200	0.991735537	0.114868125	11.49%
295	292	1209	10	1199	0.991728701	0.113918016	11.39%
296	293	1208	10	1198	0.991721854	0.112974986	11.30%
297	294	1207	10	1197	0.991714996	0.112038988	11.20%
298	295	1206	10	1196	0.991708126	0.111109975	11.11%
299	296	1205	10	1195	0.991701245	0.110187901	11.02%
300	297	1204	10	1194	0.991694352	0.109272719	10.93%
301	298	1203	10	1193	0.991687448	0.108364383	10.84%
302	299	1202	10	1192	0.991680532	0.10746285	10.75%
303	300	1201	10	1191	0.991673605	0.106568071	10.66%
304	301	1200	10	1190	0.991666667	0.105680004	10.57%
305	302	1199	10	1189	0.991659716	0.104798603	10.48%
306	303	1198	10	1188	0.991652755	0.103923823	10.39%
307	304	1197	10	1187	0.991645781	0.103055621	10.31%
308	305	1196	10	1186	0.991638796	0.102193952	10.22%
309	306	1195	10	1185	0.991631799	0.101338772	10.13%
310	307	1194	10	1184	0.991624791	0.100490039	10.05%
311	308	1193	10	1183	0.99161777	0.099647708	9.96%
312	309	1192	10	1182	0.991610738	0.098811738	9.88%
313	310	1191	10	1181	0.991603694	0.097982084	9.80%
314	311	1190	10	1180	0.991596639	0.097158705	9.72%
315	312	1189	10	1179	0.991589571	0.096341559	9.63%
316	313	1188	10	1178	0.991582492	0.095530603	9.55%
317	314	1187	10	1177	0.9915754	0.094725796	9.47%
318	315	1186	10	1176	0.991568297	0.093927096	9.39%
319	316	1185	10	1175	0.991561181	0.093134462	9.31%
320	317	1184	10	1174	0.991554054	0.092347854	9.23%
321	318	1183	10	1173	0.991546915	0.091567229	9.16%
322	319	1182	10	1172	0.991539763	0.090792549	9.08%
323	320	1181	10	1171	0.991532599	0.090023772	9.00%

	A	B	C	D	E	F	G
	<b>Calculations for Non-Detection Probability of Tampering, In a Constituency With 1500 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-1500 Booths" or "SEF-1500 booths", Sheet-10) (Revised By Dr Ramesh Bellamkonda, 2019-02-10)						
1	No. of booths in constituency =		1500			Assumed No of Booths Tampered = 10	
2	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>
3							
324	321	1180	10	1170	0.991525424	0.089260859	8.93%
325	322	1179	10	1169	0.991518236	0.088503769	8.85%
326	323	1178	10	1168	0.991511036	0.087752464	8.78%
327	324	1177	10	1167	0.991503823	0.087006903	8.70%
328	325	1176	10	1166	0.991496599	0.086267049	8.63%
329	326	1175	10	1165	0.991489362	0.085532861	8.55%
330	327	1174	10	1164	0.991482112	0.084804302	8.48%
331	328	1173	10	1163	0.991474851	0.084081333	8.41%
332	329	1172	10	1162	0.991467577	0.083363915	8.34%
333	330	1171	10	1161	0.99146029	0.082652011	8.27%
334	331	1170	10	1160	0.991452991	0.081945584	8.19%
335	332	1169	10	1159	0.99144568	0.081244595	8.12%
336	333	1168	10	1158	0.991438356	0.080549008	8.05%
337	334	1167	10	1157	0.99143102	0.079858785	7.99%
338	335	1166	10	1156	0.991423671	0.07917389	7.92%
339	336	1165	10	1155	0.991416309	0.078494286	7.85%
340	337	1164	10	1154	0.991408935	0.077819936	7.78%
341	338	1163	10	1153	0.991401548	0.077150805	7.72%
342	339	1162	10	1152	0.991394148	0.076486857	7.65%
343	340	1161	10	1151	0.991386736	0.075828055	7.58%
344	341	1160	10	1150	0.99137931	0.075174365	7.52%
345	342	1159	10	1149	0.991371872	0.074525751	7.45%
346	343	1158	10	1148	0.991364421	0.073882178	7.39%
347	344	1157	10	1147	0.991356958	0.073243611	7.32%
348	345	1156	10	1146	0.991349481	0.072610016	7.26%
349	346	1155	10	1145	0.991341991	0.071981358	7.20%
350	347	1154	10	1144	0.991334489	0.071357603	7.14%
351	348	1153	10	1143	0.991326973	0.070738716	7.07%
352	349	1152	10	1142	0.991319444	0.070124665	7.01%
353	350	1151	10	1141	0.991311903	0.069515415	6.95%
354	351	1150	10	1140	0.991304348	0.068910933	6.89%
355	352	1149	10	1139	0.99129678	0.068311186	6.83%
356	353	1148	10	1138	0.991289199	0.067716141	6.77%
357	354	1147	10	1137	0.991281604	0.067125765	6.71%
358	355	1146	10	1136	0.991273997	0.066540025	6.65%
359	356	1145	10	1135	0.991266376	0.065958889	6.60%
360	357	1144	10	1134	0.991258741	0.065382326	6.54%
361	358	1143	10	1133	0.991251094	0.064810302	6.48%
362	359	1142	10	1132	0.991243433	0.064242786	6.42%
363	360	1141	10	1131	0.991235758	0.063679747	6.37%
364	361	1140	10	1130	0.99122807	0.063121152	6.31%
365	362	1139	10	1129	0.991220369	0.062566972	6.26%
366	363	1138	10	1128	0.991212654	0.062017174	6.20%
367	364	1137	10	1127	0.991204925	0.061471729	6.15%
368	365	1136	10	1126	0.991197183	0.060930604	6.09%
369	366	1135	10	1125	0.991189427	0.060393771	6.04%
370	367	1134	10	1124	0.991181658	0.059861198	5.99%
371	368	1133	10	1123	0.991173875	0.059332855	5.93%
372	369	1132	10	1122	0.991166078	0.058808714	5.88%
373	370	1131	10	1121	0.991158267	0.058288743	5.83%
374	371	1130	10	1120	0.991150442	0.057772913	5.78%
375	372	1129	10	1119	0.991142604	0.057261196	5.73%
376	373	1128	10	1118	0.991134752	0.056753561	5.68%
377	374	1127	10	1117	0.991126886	0.05624998	5.62%
378	375	1126	10	1116	0.991119005	0.055750424	5.58%
379	376	1125	10	1115	0.991111111	0.055254865	5.53%
380	377	1124	10	1114	0.991103203	0.054763274	5.48%
381	378	1123	10	1113	0.99109528	0.054275622	5.43%
382	379	1122	10	1112	0.991087344	0.053791882	5.38%
383	380	1121	10	1111	0.991079393	0.053312026	5.33%
384	381	1120	10	1110	0.991071429	0.052836026	5.28%
385	382	1119	10	1109	0.99106345	0.052363854	5.24%
386	383	1118	10	1108	0.991055456	0.051895483	5.19%
387	384	1117	10	1107	0.991047449	0.051430886	5.14%

	A	B	C	D	E	F	G
	<b>Calculations for Non-Detection Probability of Tampering, In a Constituency With 1500 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-1500 Booths" or "SEF-1500 booths", Sheet-10) (Revised By Dr Ramesh Bellamkonda, 2019-02-10)						
1	No. of booths in constituency =		1500 Assumed No of Booths Tampered =			10	
2	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>
3							
388	385	1116	10	1106	0.991039427	0.050970036	5.10%
389	386	1115	10	1105	0.99103139	0.050512905	5.05%
390	387	1114	10	1104	0.991023339	0.050059468	5.01%
391	388	1113	10	1103	0.991015274	0.049609698	4.96%
392	389	1112	10	1102	0.991007194	0.049163567	4.92%
393	390	1111	10	1101	0.9909991	0.048721051	4.87%
394	391	1110	10	1100	0.990990991	0.048282122	4.83%
395	392	1109	10	1099	0.990982867	0.047846756	4.78%
396	393	1108	10	1098	0.990974729	0.047414926	4.74%
397	394	1107	10	1097	0.990966576	0.046986607	4.70%
398	395	1106	10	1096	0.990958409	0.046561773	4.66%
399	396	1105	10	1095	0.990950226	0.0461404	4.61%
400	397	1104	10	1094	0.990942029	0.045722462	4.57%
401	398	1103	10	1093	0.990933817	0.045307933	4.53%
402	399	1102	10	1092	0.99092559	0.044896791	4.49%
403	400	1101	10	1091	0.990917348	0.044489009	4.45%
404	401	1100	10	1090	0.990909091	0.044084563	4.41%
405	402	1099	10	1089	0.990900819	0.04368343	4.37%
406	403	1098	10	1088	0.990892532	0.043285584	4.33%
407	404	1097	10	1087	0.99088423	0.042891003	4.29%
408	405	1096	10	1086	0.990875912	0.042499661	4.25%
409	406	1095	10	1085	0.99086758	0.042111537	4.21%
410	407	1094	10	1084	0.990859232	0.041726605	4.17%
411	408	1093	10	1083	0.990850869	0.041344843	4.13%
412	409	1092	10	1082	0.990842491	0.040966227	4.10%
413	410	1091	10	1081	0.990834097	0.040590735	4.06%
414	411	1090	10	1080	0.990825688	0.040218342	4.02%
415	412	1089	10	1079	0.990817264	0.039849028	3.98%
416	413	1088	10	1078	0.990808824	0.039482769	3.95%
417	414	1087	10	1077	0.990800368	0.039119542	3.91%
418	415	1086	10	1076	0.990791897	0.038759325	3.88%
419	416	1085	10	1075	0.99078341	0.038402096	3.84%
420	417	1084	10	1074	0.990774908	0.038047833	3.80%
421	418	1083	10	1073	0.99076639	0.037696514	3.77%
422	419	1082	10	1072	0.990757856	0.037348118	3.73%
423	420	1081	10	1071	0.990749306	0.037002622	3.70%
424	421	1080	10	1070	0.990740741	0.036660005	3.67%
425	422	1079	10	1069	0.990732159	0.036320246	3.63%
426	423	1078	10	1068	0.990723562	0.035983323	3.60%
427	424	1077	10	1067	0.990714949	0.035649216	3.56%
428	425	1076	10	1066	0.99070632	0.035317904	3.53%
429	426	1075	10	1065	0.990697674	0.034989365	3.50%
430	427	1074	10	1064	0.990689013	0.03466358	3.47%
431	428	1073	10	1063	0.990680336	0.034340527	3.43%
432	429	1072	10	1062	0.990671642	0.034020186	3.40%
433	430	1071	10	1061	0.990662932	0.033702537	3.37%
434	431	1070	10	1060	0.990654206	0.03338756	3.34%
435	432	1069	10	1059	0.990645463	0.033075235	3.31%
436	433	1068	10	1058	0.990636704	0.032765542	3.28%
437	434	1067	10	1057	0.990627929	0.032458461	3.25%
438	435	1066	10	1056	0.990619137	0.032153972	3.22%
439	436	1065	10	1055	0.990610329	0.031852057	3.19%
440	437	1064	10	1054	0.990601504	0.031552696	3.16%
441	438	1063	10	1053	0.990592662	0.031255869	3.13%
442	439	1062	10	1052	0.990583804	0.030961558	3.10%
443	440	1061	10	1051	0.990574929	0.030669743	3.07%
444	441	1060	10	1050	0.990566038	0.030380406	3.04%
445	442	1059	10	1049	0.990557129	0.030093527	3.01%
446	443	1058	10	1048	0.990548204	0.029809089	2.98%
447	444	1057	10	1047	0.990539262	0.029527073	2.95%
448	445	1056	10	1046	0.990530303	0.029247461	2.92%
449	446	1055	10	1045	0.990521327	0.028970234	2.90%
450	447	1054	10	1044	0.990512334	0.028695374	2.87%
451	448	1053	10	1043	0.990503324	0.028422863	2.84%

	A	B	C	D	E	F	G
	<b>Calculations for Non-Detection Probability of Tampering, In a Constituency With 1500 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-1500 Booths" or "SEF-1500 booths", Sheet-10) (Revised By Dr Ramesh Bellamkonda, 2019-02-10)						
1	No. of booths in constituency =		1500 Assumed No of Booths Tampered =			10	
2	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>
3							
452	449	1052	10	1042	0.990494297	0.028152684	2.82%
453	450	1051	10	1041	0.990485252	0.027884818	2.79%
454	451	1050	10	1040	0.99047619	0.027619249	2.76%
455	452	1049	10	1039	0.990467112	0.027355957	2.74%
456	453	1048	10	1038	0.990458015	0.027094927	2.71%
457	454	1047	10	1037	0.990448902	0.026836141	2.68%
458	455	1046	10	1036	0.990439771	0.026579581	2.66%
459	456	1045	10	1035	0.990430622	0.026325231	2.63%
460	457	1044	10	1034	0.990421456	0.026073074	2.61%
461	458	1043	10	1033	0.990412272	0.025823092	2.58%
462	459	1042	10	1032	0.990403071	0.02557527	2.56%
463	460	1041	10	1031	0.990393852	0.02532959	2.53%
464	461	1040	10	1030	0.990384615	0.025086036	2.51%
465	462	1039	10	1029	0.990375361	0.024844592	2.48%
466	463	1038	10	1028	0.990366089	0.024605242	2.46%
467	464	1037	10	1027	0.990356798	0.024367968	2.44%
468	465	1036	10	1026	0.99034749	0.024132756	2.41%
469	466	1035	10	1025	0.990338164	0.02389959	2.39%
470	467	1034	10	1024	0.99032882	0.023668452	2.37%
471	468	1033	10	1023	0.990319458	0.023439329	2.34%
472	469	1032	10	1022	0.990310078	0.023212204	2.32%
473	470	1031	10	1021	0.990300679	0.022987061	2.30%
474	471	1030	10	1020	0.990291262	0.022763886	2.28%
475	472	1029	10	1019	0.990281827	0.022542662	2.25%
476	473	1028	10	1018	0.990272374	0.022323376	2.23%
477	474	1027	10	1017	0.990262902	0.022106011	2.21%
478	475	1026	10	1016	0.990253411	0.021890553	2.19%
479	476	1025	10	1015	0.990243902	0.021676986	2.17%
480	477	1024	10	1014	0.990234375	0.021465297	2.15%
481	478	1023	10	1013	0.990224829	0.02125547	2.13%
482	479	1022	10	1012	0.990215264	0.021047491	2.10%
483	480	1021	10	1011	0.990205681	0.020841345	2.08%
484	481	1020	10	1010	0.990196078	0.020637018	2.06%
485	482	1019	10	1009	0.990186457	0.020434496	2.04%
486	483	1018	10	1008	0.990176817	0.020233764	2.02%
487	484	1017	10	1007	0.990167158	0.020034809	2.00%
488	485	1016	10	1006	0.99015748	0.019837616	1.98%
489	486	1015	10	1005	0.990147783	0.019642171	1.96%
490	487	1014	10	1004	0.990138067	0.019448461	1.94%
491	488	1013	10	1003	0.990128332	0.019256473	1.93%
492	489	1012	10	1002	0.990118577	0.019066191	1.91%
493	490	1011	10	1001	0.990108803	0.018877604	1.89%
494	491	1010	10	1000	0.99009901	0.018690697	1.87%
495	492	1009	10	999	0.990089197	0.018505457	1.85%
496	493	1008	10	998	0.990079365	0.018321871	1.83%
497	494	1007	10	997	0.990069513	0.018139926	1.81%
498	495	1006	10	996	0.990059642	0.017959609	1.80%
499	496	1005	10	995	0.990049751	0.017780906	1.78%
500	497	1004	10	994	0.990039841	0.017603805	1.76%
501	498	1003	10	993	0.99002991	0.017428294	1.74%
502	499	1002	10	992	0.99001996	0.017254359	1.73%
503	500	1001	10	991	0.99000999	0.017081988	1.71%
504	501	1000	10	990	0.99	0.016911168	1.69%
505	502	999	10	989	0.98998999	0.016741887	1.67%
506	503	998	10	988	0.98997996	0.016574132	1.66%
507	504	997	10	987	0.98996991	0.016407892	1.64%
508	505	996	10	986	0.989959839	0.016243154	1.62%
509	506	995	10	985	0.989949749	0.016079907	1.61%
510	507	994	10	984	0.989939638	0.015918137	1.59%
511	508	993	10	983	0.989929507	0.015757834	1.58%
512	509	992	10	982	0.989919355	0.015598984	1.56%
513	510	991	10	981	0.989909183	0.015441578	1.54%
514	511	990	10	980	0.98989899	0.015285602	1.53%
515	512	989	10	979	0.989888777	0.015131046	1.51%



	A	B	C	D	E	F	G
	<b>Calculations for Non-Detection Probability of Tampering, In a Constituency With 1500 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-1500 Booths" or "SEF-1500 booths", Sheet-10) (Revised By Dr Ramesh Bellamkonda, 2019-02-10)						
1	No. of booths in constituency =		1500 Assumed No of Booths Tampered =			10	
2	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>
3							
516	513	988	10	978	0.989878543	0.014977898	1.50%
517	514	987	10	977	0.989868288	0.014826146	1.48%
518	515	986	10	976	0.989858012	0.01467578	1.47%
519	516	985	10	975	0.989847716	0.014526787	1.45%
520	517	984	10	974	0.989837398	0.014379157	1.44%
521	518	983	10	973	0.98982706	0.014232879	1.42%
522	519	982	10	972	0.989816701	0.014087941	1.41%
523	520	981	10	971	0.98980632	0.013944333	1.39%
524	521	980	10	970	0.989795918	0.013802044	1.38%
525	522	979	10	969	0.989785495	0.013661063	1.37%
526	523	978	10	968	0.989775051	0.013521379	1.35%
527	524	977	10	967	0.989764585	0.013382982	1.34%
528	525	976	10	966	0.989754098	0.013245862	1.32%
529	526	975	10	965	0.98974359	0.013110007	1.31%
530	527	974	10	964	0.98973306	0.012975407	1.30%
531	528	973	10	963	0.989722508	0.012842052	1.28%
532	529	972	10	962	0.989711934	0.012709932	1.27%
533	530	971	10	961	0.989701339	0.012579037	1.26%
534	531	970	10	960	0.989690722	0.012449356	1.24%
535	532	969	10	959	0.989680083	0.01232088	1.23%
536	533	968	10	958	0.989669421	0.012193598	1.22%
537	534	967	10	957	0.989658738	0.012067501	1.21%
538	535	966	10	956	0.989648033	0.011942579	1.19%
539	536	965	10	955	0.989637306	0.011818821	1.18%
540	537	964	10	954	0.989626556	0.011696219	1.17%
541	538	963	10	953	0.989615784	0.011574763	1.16%
542	539	962	10	952	0.98960499	0.011454444	1.15%
543	540	961	10	951	0.989594173	0.011335251	1.13%
544	541	960	10	950	0.989583333	0.011217175	1.12%
545	542	959	10	949	0.989572471	0.011100208	1.11%
546	543	958	10	948	0.989561587	0.010984339	1.10%
547	544	957	10	947	0.989550679	0.01086956	1.09%
548	545	956	10	946	0.989539749	0.010755862	1.08%
549	546	955	10	945	0.989528796	0.010643235	1.06%
550	547	954	10	944	0.98951782	0.010531671	1.05%
551	548	953	10	943	0.989506821	0.01042116	1.04%
552	549	952	10	942	0.989495798	0.010311694	1.03%
553	550	951	10	941	0.989484753	0.010203264	1.02%
554	551	950	10	940	0.989473684	0.010095861	1.01%
555	552	949	10	939	0.989462592	0.009989477	1.00%
556	553	948	10	938	0.989451477	0.009884103	0.99%
557	554	947	10	937	0.989440338	0.00977973	0.98%
558	555	946	10	936	0.989429175	0.00967635	0.97%
559	556	945	10	935	0.989417989	0.009573955	0.96%
560	557	944	10	934	0.98940678	0.009472536	0.95%
561	558	943	10	933	0.989395546	0.009372085	0.94%
562	559	942	10	932	0.989384289	0.009272594	0.93%
563	560	941	10	931	0.989373007	0.009174054	0.92%
564	561	940	10	930	0.989361702	0.009076458	0.91%
565	562	939	10	929	0.989350373	0.008979797	0.90%
566	563	938	10	928	0.989339019	0.008884063	0.89%
567	564	937	10	927	0.989327641	0.008789249	0.88%
568	565	936	10	926	0.989316239	0.008695347	0.87%
569	566	935	10	925	0.989304813	0.008602349	0.86%
570	567	934	10	924	0.989293362	0.008510246	0.85%
571	568	933	10	923	0.989281886	0.008419033	0.84%
572	569	932	10	922	0.989270386	0.0083287	0.83%
573	570	931	10	921	0.989258861	0.00823924	0.82%
574	571	930	10	920	0.989247312	0.008150646	0.82%
575	572	929	10	919	0.989235737	0.00806291	0.81%
576	573	928	10	918	0.989224138	0.007976025	0.80%
577	574	927	10	917	0.989212513	0.007889984	0.79%
578	575	926	10	916	0.989200864	0.007804779	0.78%
579	576	925	10	915	0.989189189	0.007720403	0.77%

	A	B	C	D	E	F	G
	<b>Calculations for Non-Detection Probability of Tampering, In a Constituency With 1500 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-1500 Booths" or "SEF-1500 booths", Sheet-10) (Revised By Dr Ramesh Bellamkonda, 2019-02-10)						
1	No. of booths in constituency =		1500			Assumed No of Booths Tampered = 10	
2	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>
3							
580	577	924	10	914	0.989177489	0.007636849	0.76%
581	578	923	10	913	0.989165764	0.00755411	0.76%
582	579	922	10	912	0.989154013	0.007472178	0.75%
583	580	921	10	911	0.989142237	0.007391047	0.74%
584	581	920	10	910	0.989130435	0.007310709	0.73%
585	582	919	10	909	0.989118607	0.007231159	0.72%
586	583	918	10	908	0.989106754	0.007152388	0.72%
587	584	917	10	907	0.989094875	0.00707439	0.71%
588	585	916	10	906	0.989082969	0.006997159	0.70%
589	586	915	10	905	0.989071038	0.006920687	0.69%
590	587	914	10	904	0.989059081	0.006844968	0.68%
591	588	913	10	903	0.989047097	0.006769996	0.68%
592	589	912	10	902	0.989035088	0.006695764	0.67%
593	590	911	10	901	0.989023052	0.006622265	0.66%
594	591	910	10	900	0.989010989	0.006549493	0.65%
595	592	909	10	899	0.9889989	0.006477441	0.65%
596	593	908	10	898	0.988986784	0.006406103	0.64%
597	594	907	10	897	0.988974642	0.006335474	0.63%
598	595	906	10	896	0.988962472	0.006265546	0.63%
599	596	905	10	895	0.988950276	0.006196313	0.62%
600	597	904	10	894	0.988938053	0.00612777	0.61%
601	598	903	10	893	0.988925803	0.00605991	0.61%
602	599	902	10	892	0.988913525	0.005992727	0.60%
603	600	901	10	891	0.988901221	0.005926215	0.59%
604	601	900	10	890	0.988888889	0.005860368	0.59%
605	602	899	10	889	0.988876529	0.00579518	0.58%
606	603	898	10	888	0.988864143	0.005730646	0.57%
607	604	897	10	887	0.988851728	0.005666759	0.57%
608	605	896	10	886	0.988839286	0.005603514	0.56%
609	606	895	10	885	0.988826816	0.005540905	0.55%
610	607	894	10	884	0.988814318	0.005478926	0.55%
611	608	893	10	883	0.988801792	0.005417572	0.54%
612	609	892	10	882	0.988789238	0.005356837	0.54%
613	610	891	10	881	0.988776655	0.005296715	0.53%
614	611	890	10	880	0.988764045	0.005237202	0.52%
615	612	889	10	879	0.988751406	0.005178291	0.52%
616	613	888	10	878	0.988738739	0.005119977	0.51%
617	614	887	10	877	0.988726043	0.005062254	0.51%
618	615	886	10	876	0.988713318	0.005005118	0.50%
619	616	885	10	875	0.988700565	0.004948563	0.49%
620	617	884	10	874	0.988687783	0.004892584	0.49%
621	618	883	10	873	0.988674972	0.004837175	0.48%
622	619	882	10	872	0.988662132	0.004782332	0.48%
623	620	881	10	871	0.988649262	0.004728049	0.47%
624	621	880	10	870	0.988636364	0.004674321	0.47%
625	622	879	10	869	0.988623436	0.004621143	0.46%
626	623	878	10	868	0.988610478	0.004568511	0.46%
627	624	877	10	867	0.988597491	0.004516418	0.45%
628	625	876	10	866	0.988584475	0.004464861	0.45%
629	626	875	10	865	0.988571429	0.004413834	0.44%
630	627	874	10	864	0.988558352	0.004363333	0.44%
631	628	873	10	863	0.988545246	0.004313352	0.43%
632	629	872	10	862	0.98853211	0.004263887	0.43%
633	630	871	10	861	0.988518944	0.004214933	0.42%
634	631	870	10	860	0.988505747	0.004166485	0.42%
635	632	869	10	859	0.98849252	0.004118539	0.41%
636	633	868	10	858	0.988479263	0.004071091	0.41%
637	634	867	10	857	0.988465975	0.004024135	0.40%
638	635	866	10	856	0.988452656	0.003977667	0.40%
639	636	865	10	855	0.988439306	0.003931682	0.39%
640	637	864	10	854	0.988425926	0.003886177	0.39%
641	638	863	10	853	0.988412514	0.003841146	0.38%
642	639	862	10	852	0.988399072	0.003796585	0.38%
643	640	861	10	851	0.988385598	0.00375249	0.38%

	A	B	C	D	E	F	G
1	<b>Calculations for Non-Detection Probability of Tampering, In a Constituency With 1500 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-1500 Booths" or "SEF-1500 booths", Sheet-10) (Revised By Dr Ramesh Bellamkonda, 2019-02-10)						
2	<b>No. of booths in constituency =</b>		<b>1500 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	860	10	850	0.988372093	0.003708856	0.37%
645	642	859	10	849	0.988358556	0.00366568	0.37%
646	643	858	10	848	0.988344988	0.003622956	0.36%
647	644	857	10	847	0.988331389	0.003580681	0.36%
648	645	856	10	846	0.988317757	0.003538851	0.35%
649	646	855	10	845	0.988304094	0.003497461	0.35%
650	647	854	10	844	0.988290398	0.003456507	0.35%
651	648	853	10	843	0.988276671	0.003415985	0.34%
652	649	852	10	842	0.988262911	0.003375891	0.34%
653	650	851	10	841	0.988249119	0.003336222	0.33%
654	651	850	10	840	0.988235294	0.003296972	0.33%
655	652	849	10	839	0.988221437	0.003258138	0.33%
656	653	848	10	838	0.988207547	0.003219717	0.32%
657	654	847	10	837	0.988193625	0.003181704	0.32%
658	655	846	10	836	0.988179669	0.003144095	0.31%
659	656	845	10	835	0.98816568	0.003106887	0.31%
660	657	844	10	834	0.988151659	0.003070075	0.31%
661	658	843	10	833	0.988137604	0.003033657	0.30%
662	659	842	10	832	0.988123515	0.002997628	0.30%
663	660	841	10	831	0.988109394	0.002961984	0.30%
664	661	840	10	830	0.988095238	0.002926722	0.29%
665	662	839	10	829	0.988081049	0.002891839	0.29%
666	663	838	10	828	0.988066826	0.00285733	0.29%
667	664	837	10	827	0.988052569	0.002823192	0.28%
668	665	836	10	826	0.988038278	0.002789422	0.28%
669	666	835	10	825	0.988023952	0.002756016	0.28%
670	667	834	10	824	0.988009592	0.00272297	0.27%
671	668	833	10	823	0.987995198	0.002690281	0.27%
672	669	832	10	822	0.987980769	0.002657946	0.27%
673	670	831	10	821	0.987966306	0.002625961	0.26%
674	671	830	10	820	0.987951807	0.002594323	0.26%
675	672	829	10	819	0.987937274	0.002563029	0.26%
676	673	828	10	818	0.987922705	0.002532074	0.25%
677	674	827	10	817	0.987908102	0.002501457	0.25%
678	675	826	10	816	0.987893462	0.002471173	0.25%
679	676	825	10	815	0.987878788	0.002441219	0.24%
680	677	824	10	814	0.987864078	0.002411593	0.24%
681	678	823	10	813	0.987849332	0.002382229	0.24%
682	679	822	10	812	0.98783455	0.002353308	0.24%
683	680	821	10	811	0.987819732	0.002324645	0.23%
684	681	820	10	810	0.987804878	0.002296295	0.23%
685	682	819	10	809	0.987789988	0.002268257	0.23%
686	683	818	10	808	0.987775061	0.002240528	0.22%
687	684	817	10	807	0.987760098	0.002213104	0.22%
688	685	816	10	806	0.987745098	0.002185983	0.22%
689	686	815	10	805	0.987730061	0.002159161	0.22%
690	687	814	10	804	0.987714988	0.002132636	0.21%
691	688	813	10	803	0.987699877	0.002106404	0.21%
692	689	812	10	802	0.987684729	0.002080463	0.21%
693	690	811	10	801	0.987669544	0.00205481	0.21%
694	691	810	10	800	0.987654321	0.002029442	0.20%
695	692	809	10	799	0.987639061	0.002004356	0.20%
696	693	808	10	798	0.987623762	0.00197955	0.20%
697	694	807	10	797	0.987608426	0.00195502	0.20%
698	695	806	10	796	0.987593052	0.001930764	0.19%
699	696	805	10	795	0.98757764	0.00190678	0.19%
700	697	804	10	794	0.987562189	0.001883063	0.19%
701	698	803	10	793	0.9875467	0.001859613	0.19%
702	699	802	10	792	0.987531172	0.001836426	0.18%
703	700	801	10	791	0.987515605	0.001813499	0.18%
704	701	800	10	790	0.9875	0.00179083	0.18%
705	702	799	10	789	0.987484355	0.001768417	0.18%
706	703	798	10	788	0.987468672	0.001746256	0.17%
707	704	797	10	787	0.987452949	0.001724346	0.17%

	A	B	C	D	E	F	G
1	<b>Calculations for Non-Detection Probability of Tampering, In a Constituency With 1500 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-1500 Booths" or "SEF-1500 booths", Sheet-10) (Revised By Dr Ramesh Bellamkonda, 2019-02-10)						
2	No. of booths in constituency =		1500 Assumed No of Booths Tampered =			10	
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>
708	705	796	10	786	0.987437186	0.001702683	0.17%
709	706	795	10	785	0.987421384	0.001681266	0.17%
710	707	794	10	784	0.987405542	0.001660091	0.17%
711	708	793	10	783	0.98738966	0.001639157	0.16%
712	709	792	10	782	0.987373737	0.001618461	0.16%
713	710	791	10	781	0.987357775	0.001598	0.16%
714	711	790	10	780	0.987341772	0.001577772	0.16%
715	712	789	10	779	0.987325729	0.001557775	0.16%
716	713	788	10	778	0.987309645	0.001538006	0.15%
717	714	787	10	777	0.98729352	0.001518463	0.15%
718	715	786	10	776	0.987277354	0.001499145	0.15%
719	716	785	10	775	0.987261146	0.001480047	0.15%
720	717	784	10	774	0.987244898	0.001461169	0.15%
721	718	783	10	773	0.987228608	0.001442508	0.14%
722	719	782	10	772	0.987212276	0.001424061	0.14%
723	720	781	10	771	0.987195903	0.001405828	0.14%
724	721	780	10	770	0.987179487	0.001387804	0.14%
725	722	779	10	769	0.987163303	0.001369989	0.14%
726	723	778	10	768	0.98714653	0.00135238	0.14%
727	724	777	10	767	0.987129987	0.001334975	0.13%
728	725	776	10	766	0.987113402	0.001317771	0.13%
729	726	775	10	765	0.987096774	0.001300768	0.13%
730	727	774	10	764	0.987080103	0.001283962	0.13%
731	728	773	10	763	0.987063389	0.001267352	0.13%
732	729	772	10	762	0.987046632	0.001250936	0.13%
733	730	771	10	761	0.987029831	0.001234711	0.12%
734	731	770	10	760	0.987012987	0.001218676	0.12%
735	732	769	10	759	0.986996099	0.001202828	0.12%
736	733	768	10	758	0.986979167	0.001187166	0.12%
737	734	767	10	757	0.98696219	0.001171688	0.12%
738	735	766	10	756	0.98694517	0.001156392	0.12%
739	736	765	10	755	0.986928105	0.001141276	0.11%
740	737	764	10	754	0.986910995	0.001126338	0.11%
741	738	763	10	753	0.98689384	0.001111576	0.11%
742	739	762	10	752	0.98687664	0.001096988	0.11%
743	740	761	10	751	0.986859396	0.001082573	0.11%
744	741	760	10	750	0.986842105	0.001068328	0.11%
745	742	759	10	749	0.986824769	0.001054253	0.11%
746	743	758	10	748	0.986807388	0.001040345	0.10%
747	744	757	10	747	0.98678996	0.001026602	0.10%
748	745	756	10	746	0.986772487	0.001013022	0.10%
749	746	755	10	745	0.986754967	0.000999605	0.10%
750	747	754	10	744	0.986737401	0.000986347	0.10%
751	748	753	10	743	0.986719788	0.000973249	0.10%
752	749	752	10	742	0.986702128	0.000960306	0.10%
753							
754	<b>Percent of Booths that will need to be cross checked to detect any tampering of EVMs with 99.9% Probability = (A752/C2) =</b>						<b>49.93%</b>