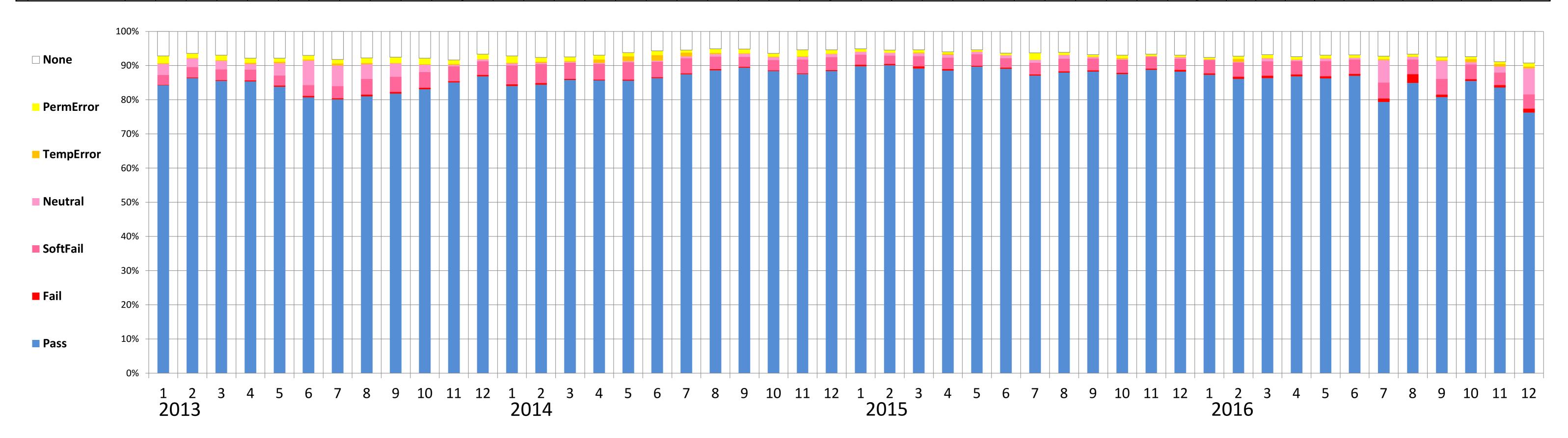
送信ドメイン認証結果の集計(SPF)(2025年3月時点)

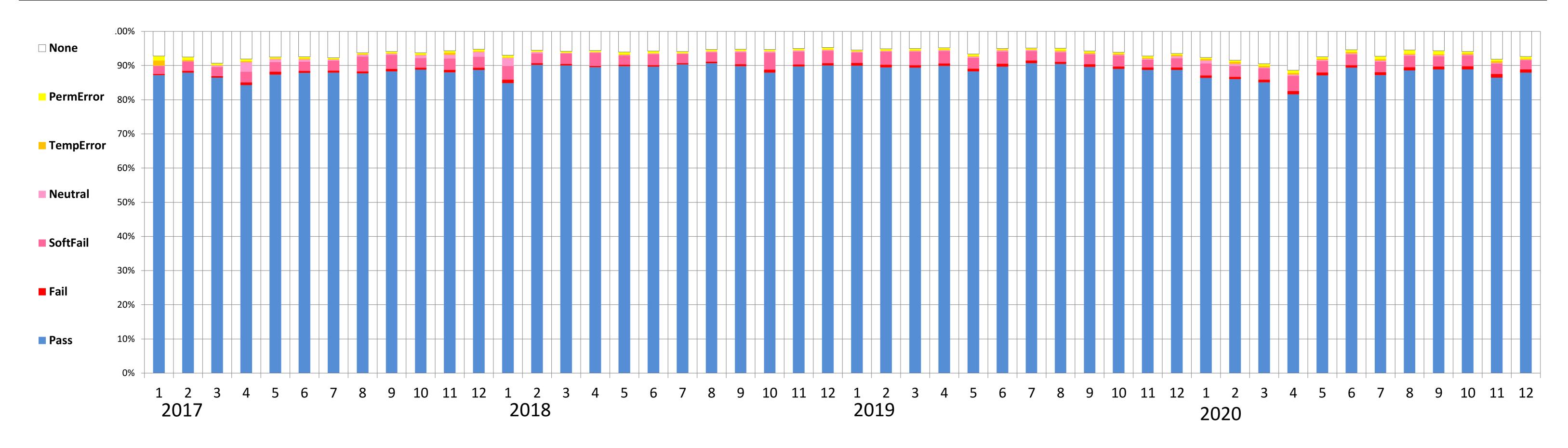
							2013年													2014年												201	15年												2016	年					
	1月	2月	3月	4月	5月	6月	7,5	月:	8月	9月	10月	11月	12月	1月	2月	3月	4月	5 <i>F</i>	6月	7.	月 : 8	月	9月	10月	11月	12月	1月	2月	3月	4月	5月	6月	7月	8月	9月	10)	月 : 11	1月 : 1	12月	1月	2月	3月	4月	5月	6月	7月	8月	9月	10月	11月	12
he number of data ISP	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	-	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		7	7	7	7	7	7	7	7	7	7	7	7	7	
he ratio of SPF																																																			
① None	7.13%	6.39%	6.96%	7.79	% 7.84	% 7.0	04% 8	3.18%	7.76%	7.53%	7.829	8.3	6.66	% 7.1	8% 7.5	8% 7.4	17% 6.9	2% 6.	21% 5.6	69%	5.42%	5.10%	5.16%	6.40%	5.40%	5.39%	5.07%	5.47%	5.41%	5.979	% 5.39%	6.33%	6.29%	6.14	1% 6.8	31% 6.	.89%	6.65%	6.94%	7.58%	7.26%	6.77%	7.34%	6.95%	6.86%	7.20%	6.64%	7.48%	7.35%	8.84%	% !
2 Neutral	3.22%	2.47%	2.459	1.59	% 3.56	7.0	08% 6	6.01%	4.29%	3.85%	6 2.209	% 0.3	88% 0.55	% 0.6	4% 0.3	9% 0.2	21% 0.3	3% 0.	.36% 0.2	28% (0.51%	0.78%	0.90%	0.78%	0.70%	0.93%	0.78%	0.83%	0.84%	0.779	% 0.7 4 %	0.82%	0.83%	1.01	1% 0.3	37% 0.	.19%	0.15%	0.39%	0.11%	0.13%	0.82%	0.28%	0.72%	0.47%	6.56%	0.69%	5.30%	0.72%	1.74%	/o -
3 Pass	84.24%	86.36%	85.529	85.35	% 83.83	80.	66% 80	D.11%	80.99%	81.78%	83.049	85.0	86.88	% 84.0	4% 84.3	7% 85.7	⁷ 8% 85.6	3% 85.	.59% 86.3	32% 87	7.43% 8	8.62%	89.37%	88.37%	87.52%	88.40%	89.84%	90.12%	89.13%	88.589	89.64%	89.09%	87.08%	87.93	88.2	26% 87.	.50% 8	8.78%	88.29%	87.31%	86.10%	86.33%	86.85%	86.28%	87.01%	79.37%	84.92%	80.74%	85.54%	83.60%	ه 7۴
④ Fail	0.19%	0.19%	0.219	0.27	% 0.38	% 0.4	49% 0	0.39%	0.52%	0.51%	0.469	6 0.3	33% 0.42	% 0.5	5% 0.5	2% 0.3	36% 0.2	8% 0.	.33% 0.3	30%	0.32%	0.34%	0.30%	0.25%	0.24%	0.32%	0.42%	0.39%	0.70%	0.429	% 0.35%	0.33%	0.35%	6 0.42	2% 0.3	36% 0.	.39%	0.33%	0.47%	0.42%	0.69%	0.72%	0.61%	0.65%	0.61%	1.06%	2.61%	0.79%	0.51%	0.74%	%
⑤ SoftFail	2.84%	3.05%	3.16%	3.26	% 2.92	3.	21% 3	3.52%	4.58%	4.49%	4.589	4.4	3.96	% 5.4	4% 5.5	2% 4.6	39% 4.5	4% 5.	.05% 4.5	51%	4.44%	3.66%	2.91%	3.05%	4.08%	3.74%	2.96%	2.43%	2.95%	3.379	% 3.34%	2.73%	3.40%	3.68	3.4	15 % 3.	.84%	3.43%	3.27%	3.90%	4.13%	4.27%	3.93%	4.41%	4.18%	4.62%	4.30%	4.56%	4.26%	3.62%	6
6 TempError	0.23%	0.18%	0.229	0.36	% 0.43	% 0.4	40% 0	0.58%	0.38%	0.13%	0.169	0.3	0.09	% 0.1	9% 0.3	3% 0.3	31% 1.C	0% 1.	.35% 1.6	64%	1.11%	0.37%	0.19%	0.18%	0.18%	0.10%	0.12%	0.06%	0.30%	0.409	% O.11%	0.08%	0.06%	0.10	0.1	16% 0.	26%	0.13%	0.11%	0.18%	0.91%	0.11%	0.14%	0.11%	0.11%	0.28%	0.13%	0.26%	0.84%	0.76%	% 0
⑦ PermError	2.15%	1.36%	1.489	1.37	% 1.03	% 1.	13% 1	1.20%	1.48%	1.69%	1.749	% 1.1	8% 1.44	% 1.9	7% 1.2	9% 1.1	7% 1.2	8% 1.	11% 1.2	25% (0.76%	1.13%	1.18%	0.96%	1.87%	1.11%	0.80%	0.70%	0.68%	0.509	% 0.43%	0.62%	1.98%	6 0.71	1% 0.5	58% 0.	.93%	0.53%	0.53%	0.50%	0.77%	0.97%	0.84%	0.88%	0.78%	0.92%	0.71%	0.87%	0.77%	0.70%	<u>/</u> 6



※出典:電気通信事業者9社の協力により、総務省がとりまとめ

送信ドメイン認証結果の集計(SPF)(2025年3月時点)

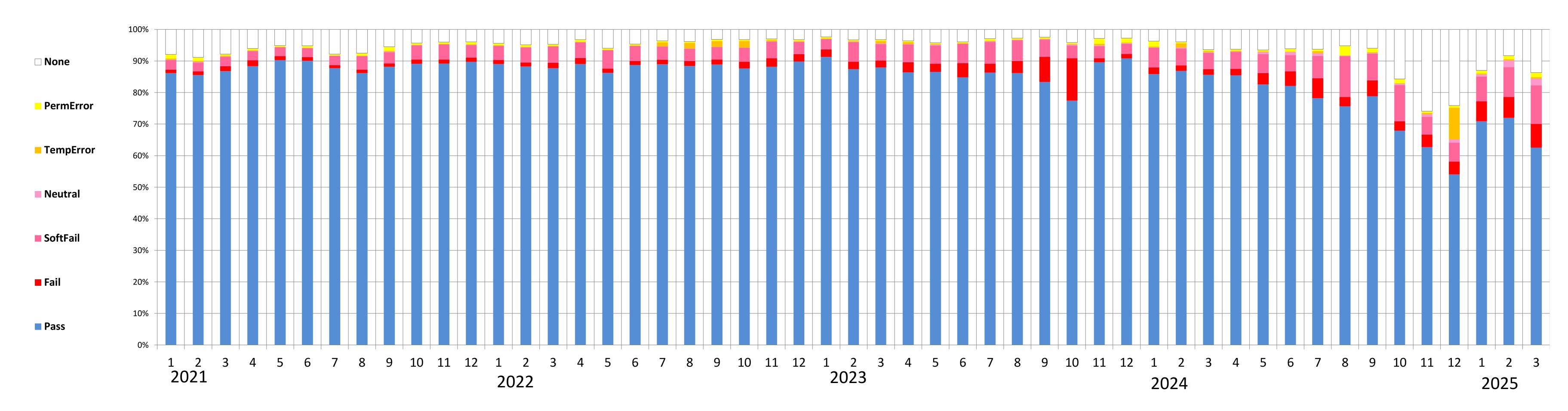
						20	17年												2018:	 年											2019	 年											2020	·年				
	1月	2月	3月	4月	5月	6月	7月	8月	9月	10月	11,	月 : 12	.月 1	1月 : :	2月 :	3月	4月	5月	6月	7月	8月	9月	10月	11月	12月	1月	2月	3月	4月	5月	6月	7月	8月	9月	10月	11月	12月	1月	2月	3月	4月	5月	6月	7月	8月	9月	10月	11月 12
he number of data ISP	7	7	7	7	7	7	7	7	7	7	7		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
he ratio of SPF																																																
① None	7.24%	7.52%	9.28%	8.09%	7.48%	7.45%	7.70%	6.26	6% 5.8	36% 6.2	24% 5	5.69%	5.26%	6.95%	5.54%	5.83%	5.57%	6.04%	5.76%	5.89%	5.30%	5.23%	5.32%	5.04%	4.73%	5.44%	5.09%	5.00%	4.80%	6.60%	5.04%	4.87%	4.97%	5.72%	6.07%	7.19%	6.47%	7.62%	8.46%	9.48%	11.36%	7.43%	5.41%	7.30%	5.46%	5.67%	5.86%	8.12%
② Neutral	0.06%	0.12%	0.37%	2.76%	0.89%	0.60%	0.34%	0.48	8% 0.3	31% 0.7	79% 1	.06%	1.35%	2.35%	0.44%	0.16%	0.14%	0.17%	0.22%	0.17%	0.25%	0.28%	0.35%	0.23%	0.24%	0.19%	0.20%	0.17%	0.24%	0.26%	0.26%	0.23%	0.22%	0.24%	0.27%	0.24%	0.61%	0.87%	0.62%	0.26%	0.31%	0.28%	0.30%	0.30%	0.30%	0.24%	0.24%	0.25%
3 Pass	87.18%	87.90%	86.45%	84.24%	87.37%	87.829	87.95%	87.68	88.2	29% 88.7	76% 88	3.00% 88	3.75% 8	84.86%	90.17%	90.05%	89.50%	89.84%	89.64%	90.34%	90.72%	89.80%	87.95%	89.72%	90.01%	89.99%	89.48%	89.40%	89.92%	88.31%	89.64%	90.72%	90.46%	89.62%	89.00%	88.75%	88.74%	86.37%	86.01%	85.10%	81.57%	87.14%	89.36%	87.16%	88.54%	88.89%	88.84%	86.49% 8
4 Fail	0.35%	0.56%	0.47%	0.82%	0.81%	0.60%	0.56%	0.63	3% 0.7	76% 0.6	62% 0).70% (0.65%	1.01%	0.53%	0.40%	0.38%	0.42%	0.44%	0.36%	0.43%	0.60%	0.81%	0.58%	0.68%	0.77%	0.76%	0.71%	0.69%	0.75%	0.87%	0.78%	0.60%	0.78%	0.76%	0.73%	0.75%	0.72%	0.64%	0.76%	0.93%	0.84%	0.78%	0.87%	1.01%	0.86%	0.95%	1.08%
⑤ SoftFail	2.39%	2.73%	2.71%	3.16%	2.78%	2.75%	2.88%	4.37	7% 4.0	06% 2.8	84% 3	3.38%	3.22%	3.98%	2.81%	3.06%	3.88%	2.69%	3.20%	2.66%	2.72%	3.50%	4.97%	3.84%	3.63%	3.09%	3.84%	4.01%	3.62%	3.25%	3.63%	2.79%	2.86%	2.85%	3.17%	2.25%	2.65%	3.50%	3.22%	3.34%	4.49%	3.37%	3.11%	3.10%	3.29%	3.00%	3.14%	2.95%
6 TempError	1.51%	0.36%	0.13%	0.27%	0.18%	0.29%	0.10%	0.15	5% 0.1).61% (0.25%	0.18%	0.09%	0.05%	0.09%	0.15%	0.09%	0.08%	0.08%	0.08%	0.14%	0.09%	0.13%	0.12%	0.10%	0.20%	0.21%	0.22%	0.19%	0.20%	0.23%	0.25%	0.29%	0.33%	0.36%	0.46%	0.57%	0.42%	0.54%	0.39%	0.41%	0.42%	0.33%	0.34%	0.32%	0.46%
7 PermError	1.28%	0.82%	0.60%	0.67%	0.48%	0.49%	0.46%	0.43	3% 0.5	55% 0.5	59% 0).57% (0.52%	0.67%	0.43%	0.45%	0.45%	0.69%	0.64%	0.50%	0.50%	0.50%	0.46%	0.51%	0.58%	0.39%	0.54%	0.51%	0.51%	0.60%	0.36%	0.40%	0.66%	0.55%	0.45%	0.51%	0.42%	0.46%	0.47%	0.65%	0.79%	0.55%	0.64%	0.84%	1.08%	0.99%	0.64%	0.64%



※出典:電気通信事業者9社の協力により、総務省がとりまとめ

送信ドメイン認証結果の集計(SPF)(2025年3月時点)

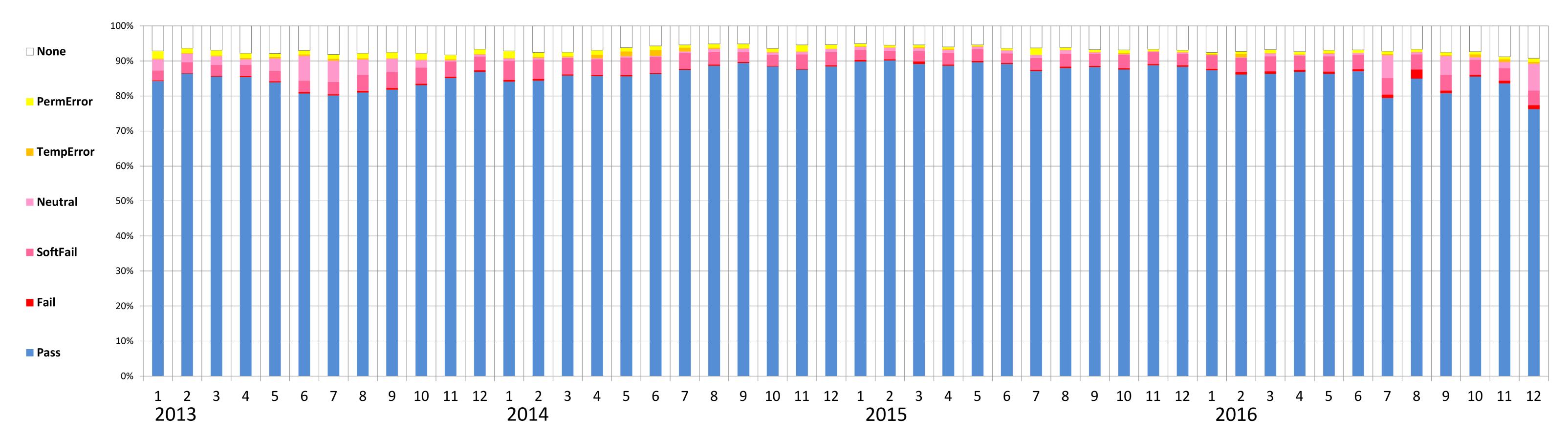
						20214	年											2022	年											2023年	<u>:</u>											2024年	.						1	2025年
	1月 2,	月 3	4	月 5	月(6月	7月	8月	9月	10月	11月	12月	1月	2月	3月	4月	5月	6月	7月	8月	9月	10月	11月	12月	1月	2月	3月	4月	5月	6月	7月	8月	9月 1	0月 1	1月 1	2月	1月	2月 3	3月	4月	5月	6月	7月	8月	9月	10月	11月	12月	1月	2月
er of data ISP	7	7 7		3	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
o of SPF																		***************************************			***************************************	***************************************			***************************************					***************************************	***************************************						***************************************		***************************************		***************************************	***************************************								
ne	7.93%	3.85%	.82%	6.04%	5.08%	5.21%	7.83%	7.53%	5.49%	4.29%	4.01%	3.96%	4.39%	4.86%	4.71%	3.21%	5.94%	4.61%	3.61%	3.82%	3.15%	3.23%	3.00%	3.27%	2.38%	3.31%	3.24%	3.59%	4.28%	3.94%	2.95%	2.78%	2.46%	4.21%	2.83%	2.76%	3.69%	3.97%	6.43%	6.25%	6.52%	6.10%	6.27%	5.17%	5.93%	15.74%	25.94%	24.16%	12.97%	8.3
ıtral	0.19% (D.17% C	.19%	D.14%	0.07%	0.07%	0.06%	0.06%	0.20%	0.07%	0.07%	0.09%	0.09%	0.12%	0.09%	0.07%	0.08%	0.07%	0.10%	0.07%	0.13%	0.08%	0.07%	0.14%	0.08%	0.14%	0.24%	0.13%	0.33%	0.12%	0.26%	0.18%	0.24%	0.40%	0.32%	0.28%	0.18%	0.32%	0.24%	0.14%	0.67%	0.96%	0.85%	0.13%	0.18%	0.47%	0.85%	1.12%	0.71%	2.
3	86.15% 85	5.57% 86	.78% 8	3.37% 9	0.31%	90.05%	87.75%	86.16%	88.17%	89.14%	89.22%	89.72%	89.05%	88.30%	87.75%	89.04%	86.23%	88.71%	88.96%	88.40%	88.92%	87.67%	88.21%	89.80%	91.29%	87.44%	87.99%	86.39%	86.55%	84.87%	86.31%	86.19%	83.38%	77.43%	39.61%	90.82%	85.87%	36.89%	85.59%	85.48%	82.57%	82.12%	78.22%	75.67%	78.81%	67.89%	62.72%	54.08%	70.88%	71
	1.08%	1.11% 1	.53%	1.82%	1.25%	1.15%	0.92%	1.09%	1.01%	1.32%	1.19%	1.32%	1.23%	1.19%	1.71%	1.90%	1.30%	1.26%	1.37%	1.59%	1.55%	2.06%	2.63%	2.34%	2.38%	2.32%	2.19%	3.22%	2.58%	4.38%	2.85%	3.80%	7.96%	13.43%	1.22%	1.41%	2.06%	1.68%	1.80%	2.00%	3.56%	4.57%	6.32%	2.95%	4.99%	3.03%	3.97%	3.99%	6.29%	, 6
Fail	3.05%	2.86% 2	.98%	2.90%	2.75%	2.85%	2.95%	4.28%	3.64%	4.54%	4.77%	4.00%	4.44%	4.82%	5.12%	4.98%	5.85%	4.79%	4.24%	3.89%	3.93%	4.44%	5.28%	3.90%	3.28%	6.25%	5.15%	5.60%	5.77%	6.15%	6.91%	6.57%	5.42%	4.02%	3.83%	3.20%	6.27%	5.39%	5.16%	5.41%	6.05%	5.20%	7.07%	12.91%	8.55%	11.39%	5.60%	6.00%	7.93%	6 9
rror	0.31%	0.24%	.19%	D.17%	0.12%	0.08%	0.07%	0.15%	0.12%	0.07%	0.15%	0.17%	0.22%	0.12%	0.15%	0.17%	0.14%	0.15%	1.19%	1.70%	1.73%	2.03%	0.41%	0.09%	0.10%	0.16%	0.76%	0.62%	0.11%	0.13%	0.06%	0.05%	0.05%	0.07%	0.43%	0.14%	0.17%	1.28%	0.31%	0.19%	0.19%	0.11%	0.62%	0.10%	0.24%	0.22%	0.42%	9.97%	0.17%	6 (
nError	1.28%	1.19%	.51%	0.57%	0.41%	0.59%	0.42%	0.74%	1 36%	0.56%	0.58%	0.74%	0.58%	0.60%	0.46%	0.62%	0.46%	0.40%	0.52%	0.54%	0.59%	0.50%	0.39%	0.46%	0.50%	0.37%	0.43%	0.45%	0.37%	0.41%	0.67%	0.42%	0.49%	0 44%	1 76%	1 40%	1 77%	0.47%	0.47%	0.53%	0.45%	0.95%	0.65%	3 07%	1.31%	1.26%	0.50%	0.69%	1 05%	1



※出典:電気通信事業者9社の協力により、総務省がとりまとめ

The situation of SPF (as of March 2025)

							2013	3年												20	14年												2015	5年											2016	6年					
	1月	2月	3月	4月	5.	月:	6月	7月	8月	9月] 10	0月	11月	12月	1月	2月	3月	4月	5月	6月	7月	8月	9月	10.	月 : 11	月 : 1	12月	1月	2月	3月	4月	5月	6月	7月	8月	9月	10月	11月	12月	1月	2月	3月	4月	5月	6月	7月	8月	9月	10月	11月	12月
he number of data ISP	7	7	7	7		7	7	7	7	7	'	7	7	7	7	7	7	7	7	7	7	7	7	7		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
he ratio of SPF																																																			
① None	7.13%	6.39	% 6.9	% 7.	79%	7.84%	7.04%	8.18%	7.76	5% 7.	7.53%	7.82%	8.31%	6.66%	7.18%	7.58%	7.47%	6.92%	6.21%	5.69%	5.42	.% 5.1	0% 5.1	16% 6	6.40%	5.40%	5.39%	5.07%	5.47%	5.41%	5.97%	5.39%	6.33%	6.29%	6.14%	6.81%	6.89%	6.65%	6.94%	7.58%	7.26%	6.77%	7.34%	6.95%	6.86%	7.20%	6.64%	7.48%	7.35%	8.84	9.26
② Neutral	3.22%	2.47	% 2.4	% 1.	59% 3	3.56%	7.08%	6.01%	4.29	3	3.85%	2.20%	0.38%	0.55%	0.64%	0.39%	0.21%	0.33%	0.36%	0.289	0.51	% 0.7	8% 0.9	90% 0).78%	0.70%	0.93%	0.78%	0.83%	0.84%	0.77%	0.74%	0.82%	0.83%	1.01%	0.37%	0.19%	0.15%	0.39%	0.11%	0.13%	0.82%	0.28%	0.72%	0.47%	6.56%	0.69%	5.30%	0.72%	1.74′	% 7.64
3 Pass	84.24%	86.36	% 85.5	% 85.3	35% 83	3.83%	80.66%	80.11%	80.99	9% 81.	.78% 8	33.04%	85.08%	86.88%	84.04%	84.37%	85.78%	85.63%	85.59%	86.329	87.43	88.6	2% 89.3	37% 88	3.37% 8	7.52% 8	88.40%	89.84%	90.12%	89.13%	88.58%	89.64%	89.09%	87.08%	87.93%	88.26%	87.50%	88.78%	88.29%	87.31%	86.10%	86.33%	86.85%	86.28%	87.01%	79.37%	84.92%	80.74%	85.54%	83.60%	% 76.2€
④ Fail	0.19%	0.19	% 0.2	% 0.2	27% (0.38%	0.49%	0.39%	0.52	2% 0.).51%	0.46%	0.33%	0.42%	0.55%	0.52%	0.36%	0.28%	0.33%	0.30%	0.32	0.3	4% 0.3	30% 0).25%	0.24%	0.32%	0.42%	0.39%	0.70%	0.42%	0.35%	0.33%	0.35%	0.42%	0.36%	0.39%	0.33%	0.47%	0.42%	0.69%	0.72%	0.61%	0.65%	0.61%	1.06%	2.61%	0.79%	0.51%	0.74	% 1.15
⑤ SoftFail	2.84%	3.05	% 3.1	% 3.2	26% 2	2.92%	3.21%	3.52%	4.58	3% 4.	.49%	4.58%	4.43%	3.96%	5.44%	5.52%	4.69%	4.54%	5.05%	4.519	4.44	3.6	6% 2.9	91% 3	3.05%	4.08%	3.74%	2.96%	2.43%	2.95%	3.37%	3.34%	2.73%	3.40%	3.68%	3.45%	3.84%	3.43%	3.27%	3.90%	4.13%	4.27%	3.93%	4.41%	4.18%	4.62%	4.30%	4.56%	4.26%	3.62	.% 4.15
⑥ TempError	0.23%	0.18	% 0.2	% 0.3	36% (0.43%	0.40%	0.58%	0.38	3% 0.	0.13%	0.16%	0.30%	0.09%	0.19%	0.33%	0.31%	1.00%	1.35%	1.649	1.11	% 0.3	7% 0.1	19% 0).18%	0.18%	0.10%	0.12%	0.06%	0.30%	0.40%	0.11%	0.08%	0.06%	0.10%	0.16%	0.26%	0.13%	0.11%	0.18%	0.91%	0.11%	0.14%	0.11%	0.11%	0.28%	0.13%	0.26%	0.84%	0.76%	0.52
⑦ PermError	2.15%	1.36	% 1.4	% 1.3	37 % 1	1.03%	1.13%	1.20%	1.48	3% 1.	.69%	1.74%	1.18%	1.44%	1.97%	1.29%	1.17%	1.28%	1.11%	1.25%	0.76	1.1	3% 1.1	18% 0	0.96%	1.87%	1.11%	0.80%	0.70%	0.68%	0.50%	0.43%	0.62%	1.98%	0.71%	0.58%	0.93%	0.53%	0.53%	0.50%	0.77%	0.97%	0.84%	0.88%	0.78%	0.92%	0.71%	0.87%	0.77%	0.70	% 1.0?

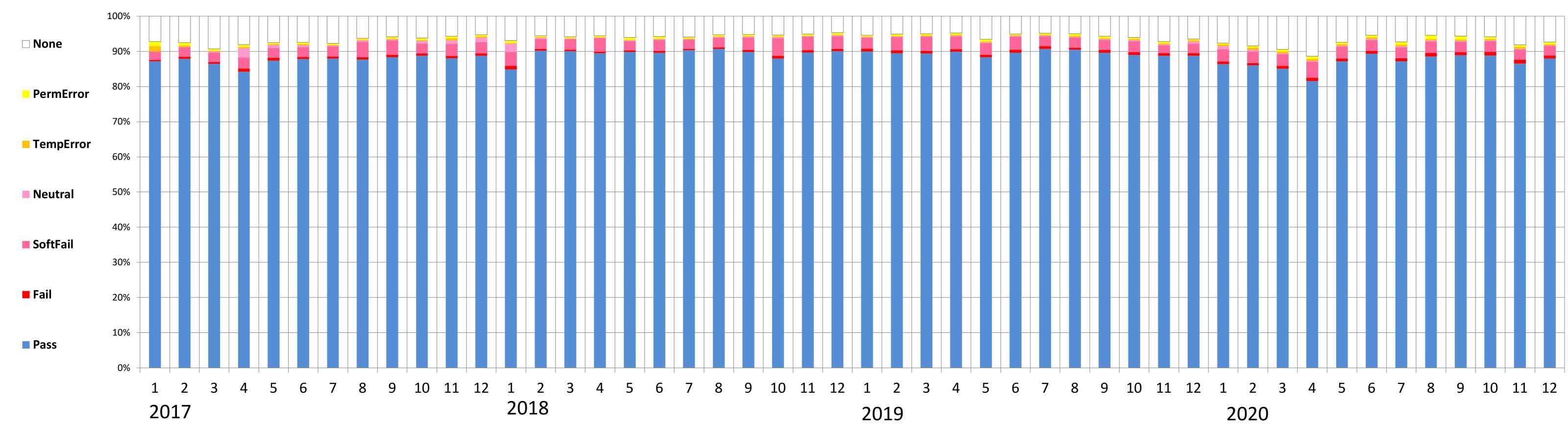


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The situation of SPF (as of March 2025)

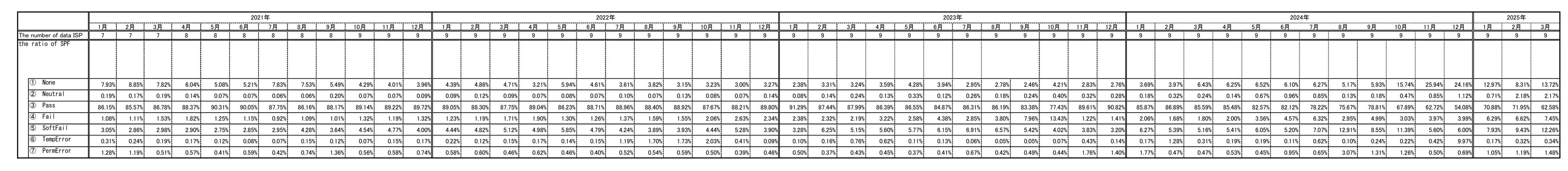
						201	7年												2018)左												2010年												20)20年					
		'				201	· - 	'	·	'	•	- '							2010)+ 			'	•	'		'	'				2019年 		'						T	·····			20/	204			T		
	1月	2月	3月	4月	5月 :	6月	7月	8月	9月	10月	: 11)	12)	<u> </u>	1月 : 2	2月 :	3月	4月	5月 :	<u>6月 i</u>	7月 :	8月	9月	: 10月	: 11月	12月	1月	2月	3月	4月	5月	6)	1 7)		8月	9月	10月	11月 :	12月	1月	2月	<u>i 3月</u>	4月	5月	6月	7月	8月	9月	10月		12月
The number of data ISP	7	7	7	7	7	7	7	7	7	7	7	7		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
the ratio of SPF																																																		
① None	7.24%	7.52%	9.28%	8.09%	7.48%	7.45%	7.70%	6.26%	% 5.86	6% 6.24	4% 5.	69% 5.	26%	6.95%	5.54%	5.83%	5.57%	6.04%	5.76%	5.89%	5.30%	5.23%	5.32	% 5.04	1% 4.73	3% 5.4	4% 5.0	09% 5.0	0% 4.	80% 6.6	0% 5.	.04% 4	.87%	4.97%	5.72%	6.07%	7.19%	6.47%	7.62%	8.469	9.48	11.36	% 7.43	6 5.41	7.30	% 5.46	% 5.67%	5.86%	8.1%	2% 7.33%
2 Neutral	0.06%	0.12%	0.37%	2.76%	0.89%	0.60%	0.34%	0.48%	% 0.3 ¹	1% 0.79	9% 1.	06% 1.	35%	2.35%	0.44%	0.16%	0.14%	0.17%	0.22%	0.17%	0.25%	0.28%	0.35	% 0.23	3% 0.24	4% 0.1	9% 0.:	20% 0.1	7% 0.	24% 0.2	6% 0.	.26% 0	.23%	0.22%	0.24%	0.27%	0.24%	0.61%	0.87%	0.629	0.26	0.31	% 0.28	6 0.30	% 0.30	% 0.30	% 0.24%	0.24%	·% 0.2′	5% 0.16%
③ Pass	87.18%	87.90%	86.45%	84.24%	87.37%	87.82%	87.95%	87.68%	% 88.29	9% 88.76	6% 88.	00% 88.	75% 8	84.86%	90.17%	90.05%	89.50%	89.84%	89.64%	90.34%	90.72%	89.80%	87.95	% 89.72	2% 90.01	1% 89.9	9% 89.4	48% 89.4	0% 89.	92% 88.3	1% 89.	.64% 90	.72%	90.46%	89.62%	89.00%	88.75%	88.74%	86.37%	86.019	85.10	81.57	87.14	6 89.36	87.16	% 88.54	% 88.89%	88.84%	86.4	Э% 87.96%
4 Fail	0.35%	0.56%	0.47%	0.82%	0.81%	0.60%	0.56%	0.63%	% 0.76	6% 0.62	2% 0.	70% 0.0	65%	1.01%	0.53%	0.40%	0.38%	0.42%	0.44%	0.36%	0.43%	0.60%	0.81	% 0.58	3% 0.68	8% 0.7	7% 0.	76% 0.7	1% 0.	69% 0.7	5% 0.	.87% 0	.78%	0.60%	0.78%	0.76%	0.73%	0.75%	0.72%	0.649	% 0.76	0.93	% 0.84	6 0.78	% 0.87	% 1.01	% 0.86%	0.95%	1.0′	3% 0.88%
⑤ SoftFail	2.39%	2.73%	2.71%	3.16%	2.78%	2.75%	2.88%	4.37%	% 4.06	6% 2.84	4% 3.	38% 3.	22%	3.98%	2.81%	3.06%	3.88%	2.69%	3.20%	2.66%	2.72%	3.50%	4.97	% 3.84	1% 3.63	3% 3.0	9% 3.	84% 4.0	1% 3.	62% 3.2		.63% 2	.79%	2.86%	2.85%	3.17%	2.25%	2.65%	3.50%	3.229	3.34	4.49	% 3.37	ر _ا 3.11′	% 3.10	% 3.29	% 3.00%	3.14%	4% 2.95	5% 2.69%
⑥ TempError	1.51%	0.36%	0.13%	0.27%	0.18%	0.29%	0.10%	0.15%	0.17	7% 0.16	6% O.	61% 0.	25%	0.18%	0.09%	0.05%	0.09%	0.15%	0.09%	0.08%	0.08%	0.08%	0.14	% 0.09	9% 0.13	3% 0.1	2% 0.	10% 0.2	0% 0.	21% 0.2	2% 0.	.19% 0	.20%	0.23%	0.25%	0.29%	0.33%	0.36%	0.46%	0.579	6 0.42	.% 0.54	% 0.39	6 0.41	% 0.42	% 0.33	% 0.34%	0.32%	2% 0.4	δ <mark>%</mark> 0.27%
⑦ PermError	1.28%	0.82%	0.60%	0.67%	0.48%	0.49%	0.46%	0.43%	% 0.55	5% 0.59	9% 0.	57% 0.	52%	0.67%	0.43%	0.45%	0.45%	0.69%	0.64%	0.50%	0.50%	0.50%	0.46	% 0.51	1% 0.58	8% 0.3	9% 0.	54% 0.5	1% 0.	51% 0.6	0% 0	.36% 0	.40%	0.66%	0.55%	0.45%	0.51%	0.42%	0.46%	0.479	0.65	0.79	% 0.55	0.64	0.849	% 1.08	% 0.99%	0.64%	·% 0.6	4% 0.70%

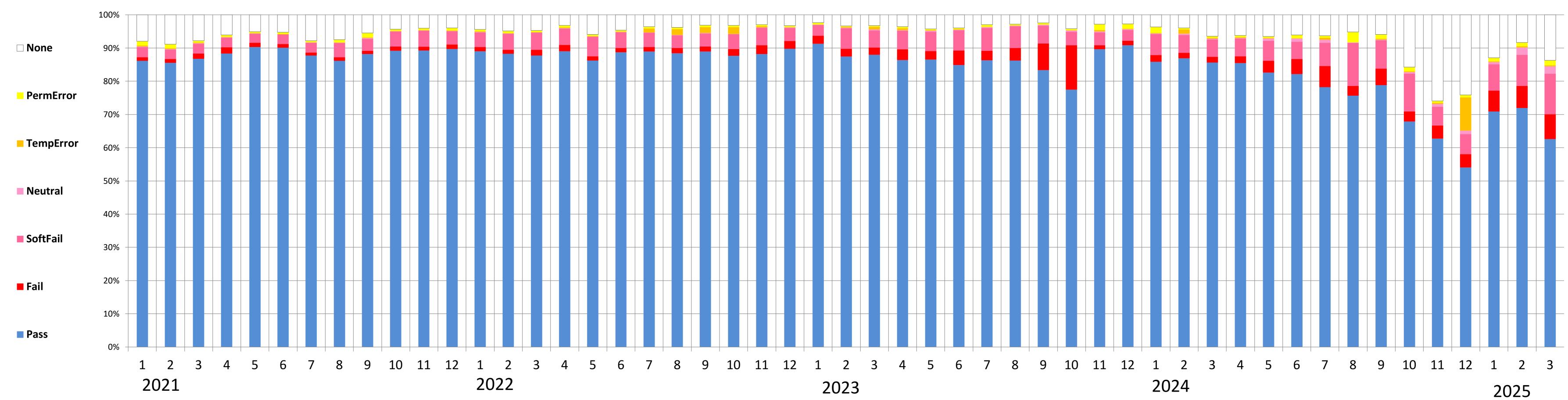


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The situation of SPF (as of March 2025)





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