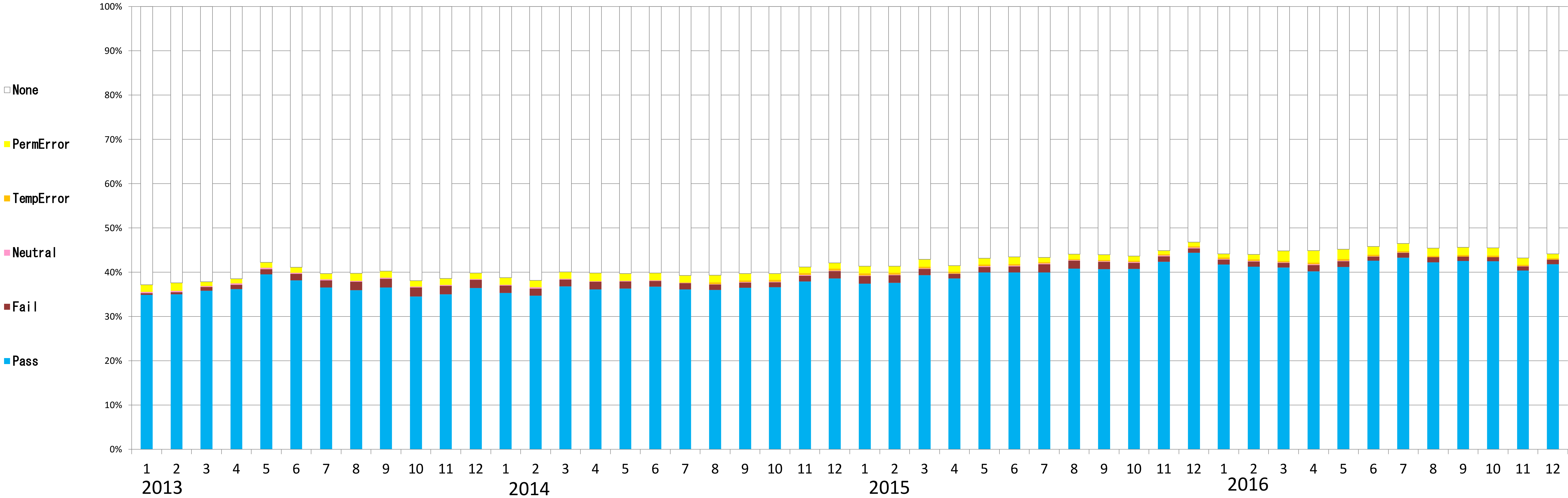


送信ドメイン認証結果の集計(DKIM)(2025年3月時点)

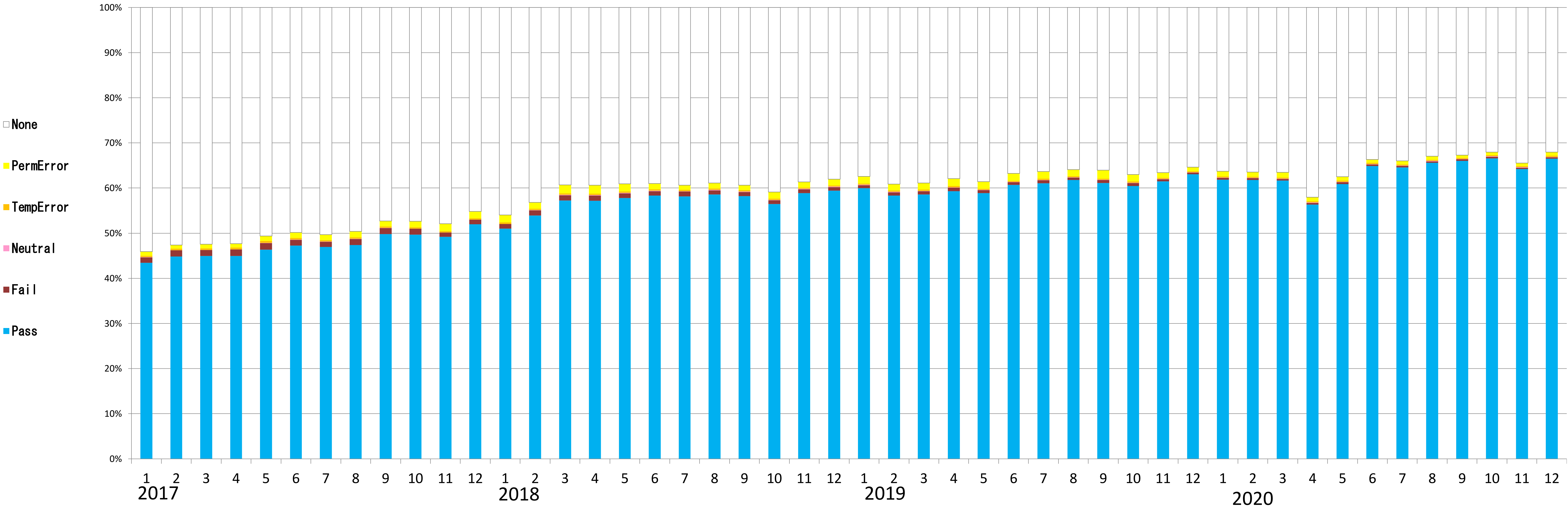
		2013年												2014年												2015年												2016年											
		1月	2月	3月	4月	5月	6月	7月	8月	9月	10月	11月	12月	1月	2月	3月	4月	5月	6月	7月	8月	9月	10月	11月	12月	1月	2月	3月	4月	5月	6月	7月	8月	9月	10月	11月	12月	1月	2月	3月	4月	5月	6月	7月	8月	9月	10月	11月	12月
The number of data ISP		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
the ratio of DKIM																																																	
①	None no signature	62.81%	62.42%	62.14%	61.49%	57.76%	58.87%	60.31%	60.26%	59.74%	61.91%	61.42%	60.16%	61.22%	61.87%	59.92%	60.17%	60.28%	60.16%	60.71%	60.65%	60.29%	60.29%	58.85%	57.87%	58.61%	58.63%	57.10%	58.52%	56.84%	56.56%	56.66%	55.94%	56.02%	56.36%	55.10%	53.21%	55.83%	55.99%	55.21%	55.09%	54.81%	54.21%	53.49%	54.54%	54.35%	54.51%	56.81%	55.84%
②	Neutral bad format	0.30%	0.35%	0.24%	0.32%	0.31%	0.24%	0.23%	0.21%	0.25%	0.19%	0.20%	0.17%	0.22%	0.28%	0.16%	0.13%	0.13%	0.13%	0.10%	0.08%	0.09%	0.15%	0.16%	0.17%	0.13%	0.11%	0.10%	0.12%	0.15%	0.19%	0.18%	0.16%	0.17%	0.17%	0.19%	0.16%	0.15%	0.16%	0.16%	0.15%	0.14%	0.11%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%
③	Pass good	34.86%	35.02%	35.80%	36.19%	39.52%	38.15%	36.53%	35.95%	36.55%	34.49%	34.98%	36.45%	35.33%	34.71%	36.79%	36.14%	36.29%	36.73%	36.11%	36.02%	36.45%	36.59%	37.89%	38.56%	37.41%	37.59%	39.35%	38.60%	39.95%	39.96%	39.94%	40.80%	40.65%	40.75%	42.37%	44.37%	41.71%	41.23%	41.03%	40.18%	41.18%	42.62%	43.28%	42.24%	42.54%	42.49%	40.34%	41.78%
④	Fail (bad) bad	0.38%	0.45%	0.84%	0.98%	1.18%	1.48%	1.61%	1.89%	1.95%	2.07%	1.91%	1.83%	1.63%	1.60%	1.57%	1.71%	1.60%	1.29%	1.40%	1.19%	1.21%	1.12%	1.32%	1.67%	1.74%	1.74%	1.41%	1.01%	1.23%	1.35%	1.85%	1.78%	1.67%	1.34%	1.20%	1.02%	1.12%	1.16%	1.06%	1.46%	1.30%	0.88%	1.11%	1.14%	0.96%	0.89%	0.96%	1.04%
⑤	TempError revoked	0.01%	0.01%	0.01%	0.02%	0.01%	0.01%	0.01%	0.00%	0.01%	0.02%	0.07%	0.01%	0.00%	0.01%	0.00%	0.01%	0.05%	0.06%	0.09%	0.41%	0.38%	0.39%	0.46%	0.43%	0.45%	0.42%	0.39%	0.42%	0.40%	0.38%	0.32%	0.22%	0.26%	0.35%	0.30%	0.34%	0.35%	0.33%	0.32%	0.35%	0.34%	0.33%	0.32%	0.33%	0.34%	0.31%	0.31%	
⑥	PermError no key	1.64%	1.75%	0.97%	1.00%	1.21%	1.25%	1.30%	1.68%	1.50%	1.31%	1.43%	1.38%	1.60%	1.54%	1.56%	1.85%	1.65%	1.63%	1.59%	1.65%	1.57%	1.47%	1.32%	1.29%	1.65%	1.51%	1.66%	1.34%	1.43%	1.57%	1.05%	1.11%	1.23%	1.03%	0.84%	0.91%	0.83%	1.14%	2.23%	2.77%	2.24%	1.85%	1.76%	1.73%	1.79%	1.74%	1.55%	1.00%



※出典:電気通信事業者5社の協力により、総務省がとりまとめ

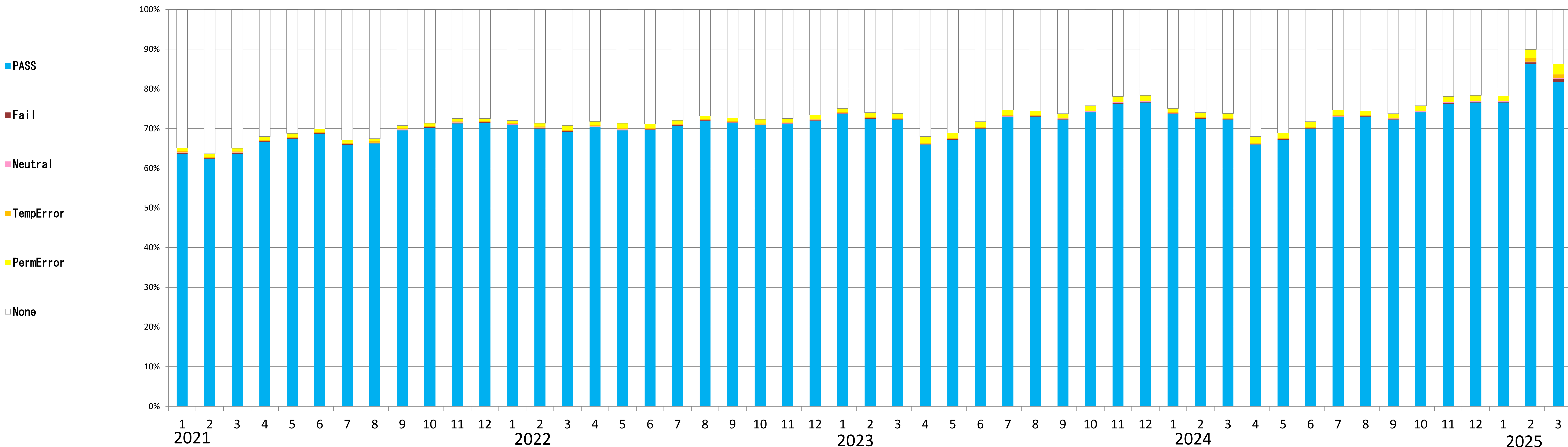
送信ドメイン認証結果の集計(DKIM)(2025年3月時点)

	2017年												2018年												2019年												2020年											
The number of data ISP	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
the ratio of DKIM																																																
① None no signature	54.08%	52.60%	52.47%	52.31%	50.65%	49.84%	50.35%	49.59%	47.28%	47.37%	47.89%	45.18%	45.95%	43.18%	39.33%	39.35%	39.04%	39.00%	39.35%	38.90%	39.36%	40.91%	38.65%	38.02%	37.46%	39.13%	38.91%	37.93%	38.57%	36.77%	36.33%	35.93%	36.03%	37.00%	36.58%	35.38%	36.26%	36.48%	36.53%	42.04%	37.49%	33.70%	33.99%	32.96%	32.70%	32.05%	34.45%	32.03%
② Neutral bad format	0.04%	0.04%	0.04%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.04%	0.04%	0.04%	0.05%	0.09%	0.11%	0.11%	0.09%	0.09%	0.11%	0.12%	0.10%	0.10%	0.11%	0.08%	0.11%	0.09%	0.08%	0.07%	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%	0.09%	0.08%	0.08%	0.09%	0.08%	0.09%	0.09%	0.09%
③ Pass good	43.43%	44.80%	44.95%	44.94%	46.31%	47.22%	46.95%	47.36%	49.79%	49.69%	49.20%	51.96%	50.98%	53.89%	57.26%	57.20%	57.76%	58.33%	58.16%	58.55%	58.20%	56.43%	58.87%	59.44%	59.94%	58.30%	58.57%	59.32%	58.88%	60.68%	61.05%	61.77%	61.13%	60.43%	61.45%	63.02%	61.83%	61.79%	61.67%	56.35%	60.88%	64.87%	64.55%	65.60%	66.00%	66.53%	64.20%	66.50%
④ Fail (bad) bad	1.22%	1.40%	1.31%	1.44%	1.48%	1.32%	1.17%	1.35%	1.34%	1.29%	0.94%	1.02%	1.03%	1.14%	1.15%	1.14%	1.07%	1.00%	1.05%	0.95%	0.92%	0.84%	0.85%	0.76%	0.70%	0.78%	0.71%	0.77%	0.64%	0.59%	0.68%	0.55%	0.63%	0.67%	0.48%	0.41%	0.43%	0.42%	0.36%	0.36%	0.39%	0.35%	0.35%	0.31%	0.35%	0.41%	0.32%	0.30%
⑤ TempError revoked	0.35%	0.37%	0.35%	0.39%	0.47%	0.38%	0.33%	0.31%	0.31%	0.32%	0.31%	0.31%	0.33%	0.32%	0.29%	0.31%	0.32%	0.31%	0.32%	0.31%	0.30%	0.29%	0.28%	0.28%	0.29%	0.28%	0.27%	0.28%	0.27%	0.26%	0.26%	0.24%	0.26%	0.29%	0.25%	0.25%	0.26%	0.25%	0.26%	0.29%	0.27%	0.26%	0.26%	0.26%	0.26%	0.26%	0.26%	0.28%
⑥ PermError no key	0.88%	0.79%	0.87%	0.88%	1.06%	1.22%	1.17%	1.35%	1.25%	1.29%	1.63%	1.50%	1.67%	1.41%	1.89%	1.88%	1.70%	1.28%	1.03%	1.18%	1.10%	1.43%	1.25%	1.40%	1.52%	1.41%	1.44%	1.62%	1.57%	1.63%	1.62%	1.44%	1.89%	1.54%	1.18%	0.88%	1.16%	0.99%	1.13%	0.90%	0.86%	0.74%	0.77%	0.79%	0.62%	0.66%	0.68%	0.79%



※出典:電気通信事業者5社の協力により、総務省がとりまとめ

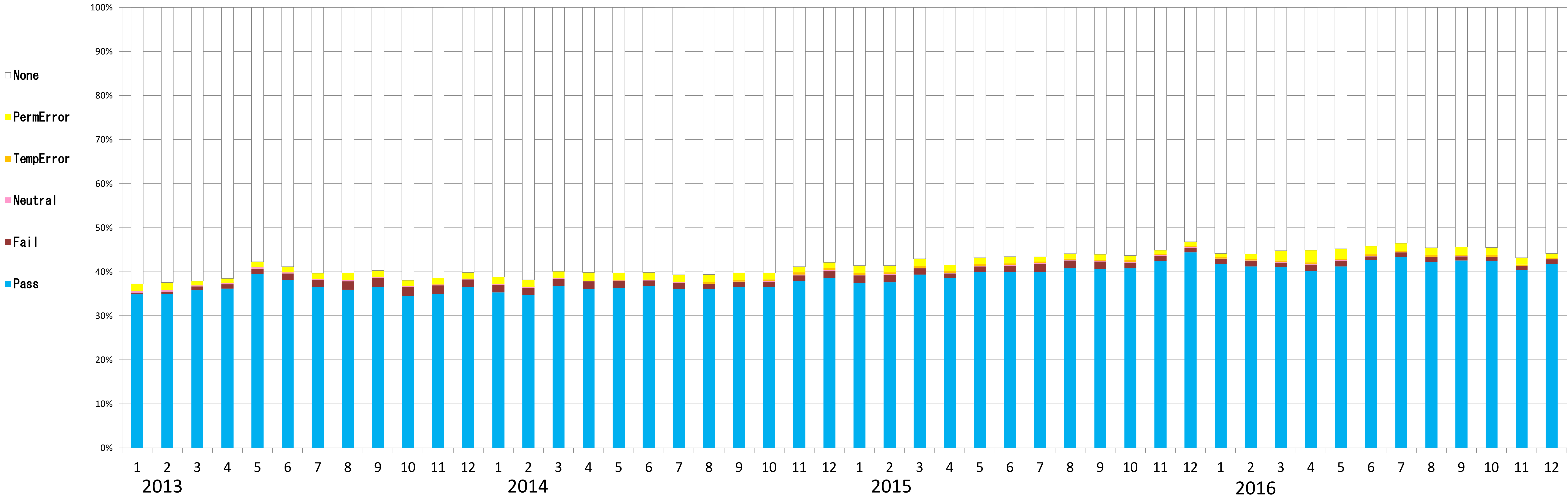
送信ドメイン認証結果の集計(DKIM)(2025年3月時点)

[illegible]

※出典:電気通信事業者5社の協力により、総務省がとりまとめ

The situation of DKIM (as of March 2025)

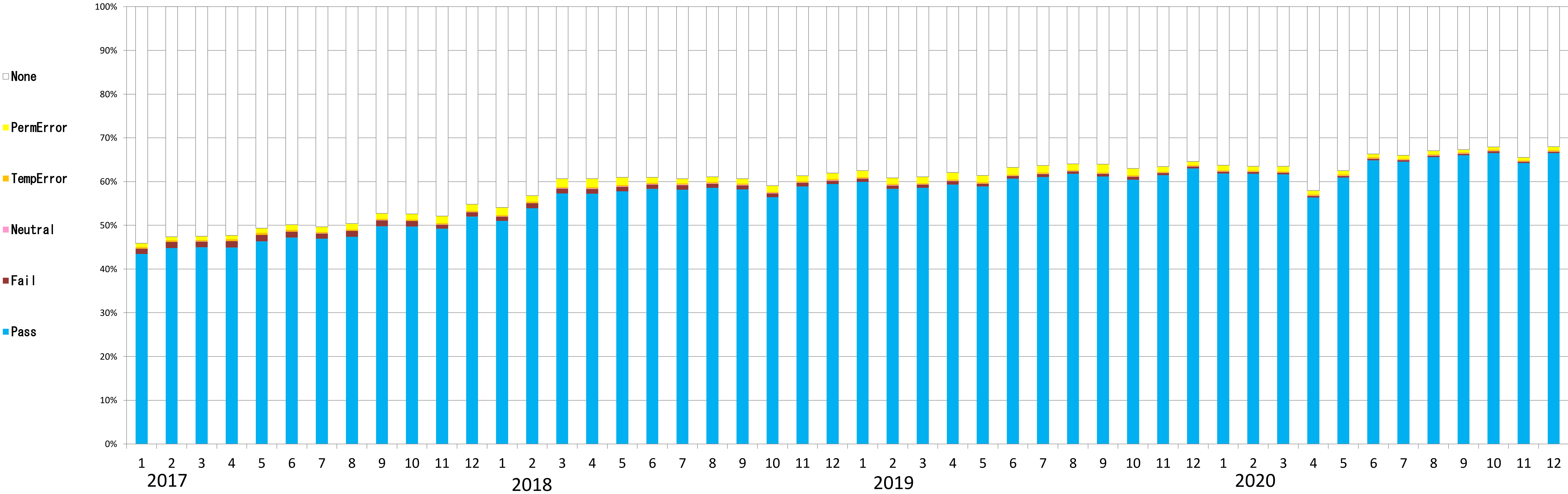
		2013年												2014年												2015年												2016年											
		1月	2月	3月	4月	5月	6月	7月	8月	9月	10月	11月	12月	1月	2月	3月	4月	5月	6月	7月	8月	9月	10月	11月	12月	1月	2月	3月	4月	5月	6月	7月	8月	9月	10月	11月	12月	1月	2月	3月	4月	5月	6月	7月	8月	9月	10月	11月	12月
The number of data ISP		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
the ratio of DKIM																																																	
①	None no signature	62.81%	62.42%	62.14%	61.49%	57.76%	58.87%	60.31%	60.26%	59.74%	61.91%	61.42%	60.16%	61.22%	61.87%	59.92%	60.17%	60.28%	60.16%	60.71%	60.65%	60.29%	60.29%	58.85%	57.87%	58.61%	58.63%	57.10%	58.52%	56.84%	56.56%	56.66%	55.94%	56.02%	56.36%	55.10%	53.21%	55.83%	55.99%	55.21%	55.09%	54.81%	54.21%	53.49%	54.54%	54.35%	54.51%	56.81%	55.84%
②	Neutral bad format	0.30%	0.35%	0.24%	0.32%	0.31%	0.24%	0.23%	0.21%	0.25%	0.19%	0.20%	0.17%	0.22%	0.28%	0.16%	0.13%	0.13%	0.13%	0.10%	0.08%	0.09%	0.15%	0.16%	0.17%	0.13%	0.11%	0.10%	0.12%	0.15%	0.19%	0.18%	0.16%	0.17%	0.17%	0.19%	0.16%	0.15%	0.16%	0.16%	0.15%	0.14%	0.11%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%
③	Pass good	34.86%	35.02%	35.80%	36.19%	39.52%	38.15%	36.53%	35.95%	36.55%	34.49%	34.98%	36.45%	35.33%	34.71%	36.79%	36.14%	36.29%	36.73%	36.11%	36.02%	36.45%	36.59%	37.89%	38.56%	37.41%	37.59%	39.35%	38.60%	39.95%	39.96%	39.94%	40.80%	40.65%	40.75%	42.37%	44.37%	41.71%	41.23%	41.03%	40.18%	41.18%	42.62%	43.28%	42.24%	42.54%	42.49%	40.34%	41.78%
④	Fail (bad) bad	0.38%	0.45%	0.84%	0.98%	1.18%	1.48%	1.61%	1.89%	1.95%	2.07%	1.91%	1.83%	1.63%	1.60%	1.57%	1.71%	1.60%	1.29%	1.40%	1.19%	1.21%	1.12%	1.32%	1.67%	1.74%	1.74%	1.41%	1.01%	1.23%	1.35%	1.85%	1.78%	1.67%	1.34%	1.20%	1.02%	1.12%	1.16%	1.06%	1.46%	1.30%	0.88%	1.11%	1.14%	0.96%	0.89%	0.96%	1.04%
⑤	TempError revoked	0.01%	0.01%	0.01%	0.02%	0.01%	0.01%	0.01%	0.00%	0.01%	0.02%	0.07%	0.01%	0.00%	0.01%	0.00%	0.01%	0.05%	0.06%	0.09%	0.41%	0.38%	0.39%	0.46%	0.43%	0.45%	0.42%	0.39%	0.42%	0.40%	0.38%	0.32%	0.22%	0.26%	0.35%	0.30%	0.34%	0.35%	0.33%	0.32%	0.35%	0.34%	0.33%	0.32%	0.33%	0.34%	0.31%	0.31%	
⑥	PermError no key	1.64%	1.75%	0.97%	1.00%	1.21%	1.25%	1.30%	1.68%	1.50%	1.31%	1.43%	1.38%	1.60%	1.54%	1.56%	1.85%	1.65%	1.63%	1.59%	1.65%	1.57%	1.47%	1.32%	1.29%	1.65%	1.51%	1.66%	1.34%	1.43%	1.57%	1.05%	1.11%	1.23%	1.03%	0.84%	0.91%	0.83%	1.14%	2.23%	2.77%	2.24%	1.85%	1.76%	1.73%	1.79%	1.74%	1.55%	1.00%



* With cooperation of domestic ISP 5 companies, MIC compiled.
* In the E-mail which is circulating.

The situation of DKIM (as of March 2025)

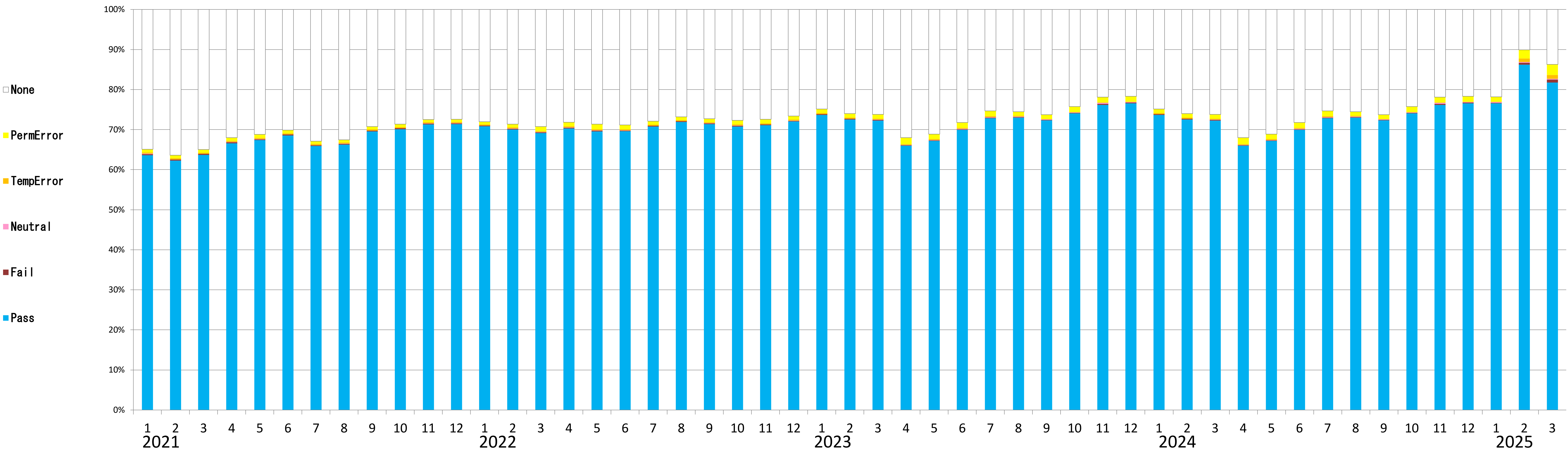
		2017年												2018年												2019年												2020年												
		1月	2月	3月	4月	5月	6月	7月	8月	9月	10月	11月	12月	1月	2月	3月	4月	5月	6月	7月	8月	9月	10月	11月	12月	1月	2月	3月	4月	5月	6月	7月	8月	9月	10月	11月	12月	1月	2月	3月	4月	5月	6月	7月	8月	9月	10月	11月	12月	
The number of data ISP		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
the ratio of DKIM																																																		
①	None no signature	54.08%	52.60%	52.47%	52.31%	50.65%	49.84%	50.35%	49.59%	47.28%	47.37%	47.89%	45.18%	45.95%	43.18%	39.33%	39.35%	39.04%	39.00%	39.35%	38.90%	39.36%	40.91%	38.65%	38.02%	37.46%	39.13%	38.91%	37.93%	37.93%	38.57%	36.77%	36.33%	35.93%	36.03%	37.00%	36.58%	35.38%	36.26%	36.48%	36.53%	42.04%	37.49%	33.70%	33.99%	32.96%	32.70%	32.05%	34.45%	32.03%
②	Neutral bad format	0.04%	0.04%	0.04%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.04%	0.04%	0.04%	0.04%	0.05%	0.09%	0.11%	0.11%	0.09%	0.09%	0.11%	0.12%	0.10%	0.10%	0.11%	0.08%	0.11%	0.09%	0.08%	0.07%	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%	0.09%	0.09%	0.08%	0.08%	0.09%	0.08%	0.09%	0.09%		
③	Pass good	43.43%	44.80%	44.95%	44.94%	46.31%	47.22%	46.95%	47.36%	49.79%	49.69%	49.20%	51.96%	50.98%	53.89%	57.26%	57.20%	57.76%	58.33%	58.16%	58.55%	58.20%	56.43%	58.87%	59.44%	59.94%	58.30%	58.57%	59.32%	58.88%	60.68%	61.05%	61.77%	61.13%	60.43%	61.45%	63.02%	61.83%	61.79%	61.67%	56.35%	60.88%	64.87%	64.55%	65.60%	66.00%	66.53%	64.20%	66.50%	
④	Fail (bad) bad	1.22%	1.40%	1.31%	1.44%	1.48%	1.32%	1.17%	1.35%	1.34%	1.29%	0.94%	1.02%	1.03%	1.14%	1.15%	1.14%	1.07%	1.00%	1.05%	0.95%	0.92%	0.84%	0.85%	0.76%	0.70%	0.78%	0.71%	0.77%	0.64%	0.59%	0.68%	0.55%	0.63%	0.67%	0.48%	0.41%	0.43%	0.42%	0.36%	0.36%	0.39%	0.35%	0.35%	0.31%	0.35%	0.41%	0.32%	0.30%	
⑤	TempError revoked	0.35%	0.37%	0.35%	0.39%	0.47%	0.38%	0.33%	0.31%	0.31%	0.32%	0.31%	0.31%	0.33%	0.32%	0.29%	0.31%	0.32%	0.31%	0.32%	0.31%	0.30%	0.29%	0.28%	0.28%	0.29%	0.28%	0.27%	0.28%	0.27%	0.26%	0.26%	0.24%	0.26%	0.29%	0.25%	0.25%	0.26%	0.25%	0.25%	0.26%	0.29%	0.27%	0.26%	0.26%	0.26%	0.26%	0.28%		
⑥	PermError no key	0.88%	0.79%	0.87%	0.88%	1.06%	1.22%	1.17%	1.35%	1.25%	1.29%	1.63%	1.50%	1.67%	1.41%	1.89%	1.88%	1.70%	1.28%	1.03%	1.18%	1.10%	1.43%	1.25%	1.40%	1.52%	1.41%	1.44%	1.62%	1.57%	1.63%	1.62%	1.44%	1.89%	1.54%	1.18%	0.88%	1.16%	0.99%	1.13%	0.90%	0.86%	0.74%	0.77%	0.79%	0.62%	0.66%	0.68%	0.79%	



* With cooperation of domestic ISP 5 companies, MIC compiled.
* In the E-mail which is circulating.

The situation of DKIM (as of March 2025)

		2021年												2022年												2023年												2024年												2025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													
The number of data ISP		4	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5			
the ratio of DKIM																																																					
①	None no signature	34.89%	36.38%	34.97%	32.02%	31.23%	30.13%	32.87%	32.55%	29.23%	28.64%	27.46%	27.45%	28.01%	28.65%	29.22%	28.19%	28.65%	28.84%	27.92%	26.83%	27.29%	27.67%	27.45%	26.59%	24.88%	26.01%	26.20%	32.03%	31.14%	28.23%	25.32%	25.55%	26.27%	24.28%	21.87%	21.66%	24.88%	26.01%	26.20%	32.03%	31.14%	28.23%	25.32%	25.55%	26.27%	24.28%	21.87%	21.66%	21.80%	10.05%	13.75%	
②	Neutral bad format	0.06%	0.02%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.04%	0.03%	0.03%	0.04%	0.05%	0.04%	0.05%	0.05%	0.05%	0.05%	0.06%	0.05%	0.04%	0.04%	0.04%	0.04%	0.05%	0.05%	0.05%	0.09%	0.10%	0.14%	0.12%	0.13%	0.13%	0.24%	0.17%	0.04%	0.04%	0.05%	0.05%	0.09%	0.10%	0.14%	0.12%	0.13%	0.13%	0.24%	0.17%	0.15%	0.20%	0.22%
③	Pass good	63.62%	62.24%	63.67%	66.59%	67.39%	68.56%	65.89%	66.25%	69.52%	70.11%	71.29%	71.36%	70.80%	70.01%	68.11%	70.31%	69.55%	69.58%	70.77%	71.90%	71.37%	70.77%	71.10%	72.01%	73.64%	72.51%	72.25%	66.00%	67.19%	69.97%	72.87%	73.01%	72.30%	74.05%	76.19%	76.59%	73.64%	72.51%	72.25%	66.00%	67.19%	69.97%	72.87%	73.01%	72.30%	74.05%	76.19%	76.59%	76.57%	86.23%	81.78%	
④	Fail (bad) bad	0.28%	0.24%	0.24%	0.26%	0.23%	0.22%	0.21%	0.19%	0.22%	0.22%	0.21%	0.24%	0.21%	0.20%	0.17%	0.21%	0.19%	0.18%	0.19%	0.17%	0.17%	0.19%	0.19%	0.18%	0.19%	0.20%	0.19%	0.18%	0.13%	0.13%	0.13%	0.14%	0.12%	0.11%	0.14%	0.25%	0.17%	0.20%	0.19%	0.13%	0.13%	0.14%	0.12%	0.11%	0.14%	0.25%	0.17%	0.16%	0.45%	0.78%		
⑤	PermError revoked	0.30%	0.28%	0.28%	0.28%	0.29%	0.28%	0.30%	0.30%	0.29%	0.27%	0.27%	0.28%	0.27%	0.25%	0.25%	0.26%	0.24%	0.23%	0.24%	0.25%	0.25%	0.26%	0.23%	0.25%	0.26%	0.24%	0.25%	0.22%	0.24%	0.25%	0.23%	0.24%	0.09%	0.05%	0.06%	0.05%	0.26%	0.24%	0.25%	0.22%	0.24%	0.25%	0.23%	0.24%	0.09%	0.05%	0.06%	0.05%	0.90%	0.90%		
⑥	TempError no key	0.83%	0.78%	0.81%	0.82%	0.83%	0.79%	0.70%	0.67%	0.70%	0.74%	0.74%	0.66%	0.68%	0.83%	1.13%	1.02%	1.30%	1.10%	0.85%	0.75%	0.84%	1.07%	0.99%	0.92%	0.97%	1.00%	1.07%	1.58%	1.22%	1.31%	1.30%	0.97%	1.09%	1.36%	1.39%	1.36%	0.97%	1.00%	1.07%	1.58%	1.22%	1.31%	1.30%	0.97%	1.09%	1.36%	1.39%	1.36%	1.24%	2.17%	2.61%	



* With cooperation of domestic ISP 5 companies, MIC compiled

* In the E-mail which is circulating