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CERNET CERNET	04
2025	04
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1994 4 —2024 4	05
	06
1.0	06
CERNET 30	07
ICT AI	07
2025	08
“ NAT ” IPv6	08
2025 7	09
2024	09
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2024	10
Internet2 NAIRR	11
NEA3R Internet2	11
NOAA	11
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CERNET

CERNET

CERNET

CIO

IPv6

IPv6

2024

IPv6

2025



2029

15%

1994

30

10

10

800



2024

5G 419 2 “ 5G ”
11%

2025

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5G 450
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5G 6G APP

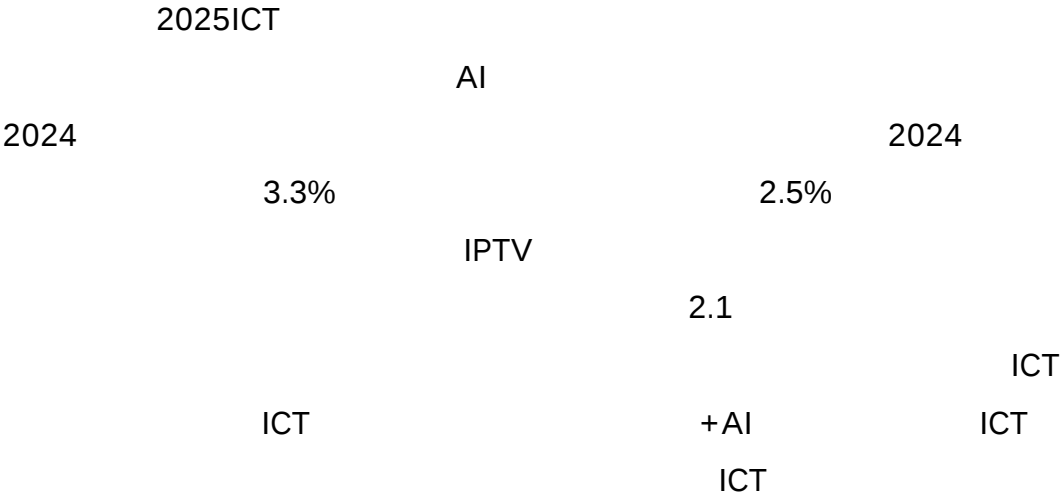
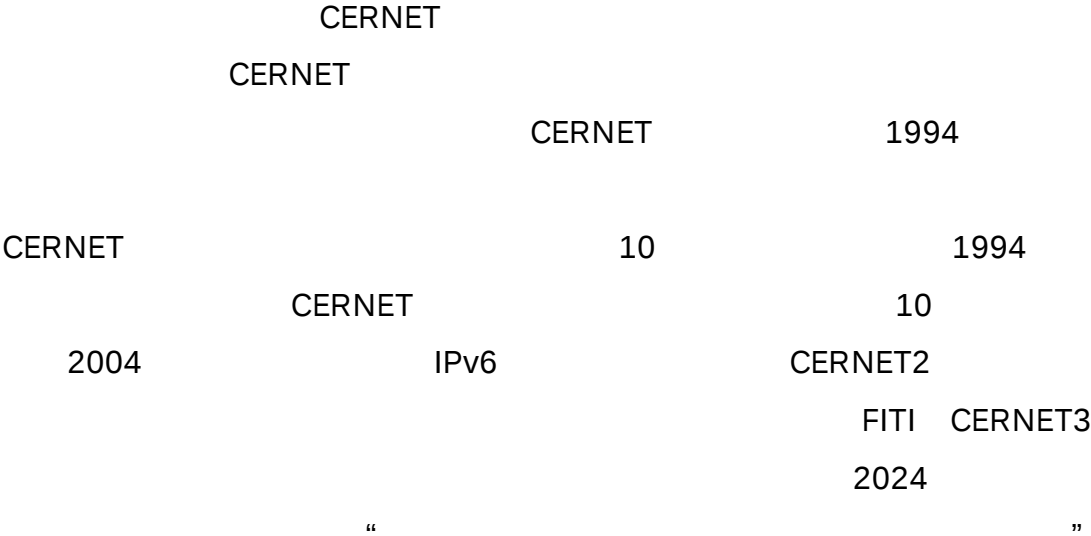
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GPU

C114_____





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IPv6

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NAT ”

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12 27 2024

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2024

C114



Internet2

CaRCC

NSF

EAGER

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NAIRR

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NAIRR 2024 1 24

Internet2_____

IN@IU

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NEA3R

Internet2

400Gbps

Internet2

ANA

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NEA3R

Internet2_____

NOAA

1

Rhea

Rhea

NOAA

NESCC

Rhea

NOAA



2023 137

2023 108 15% 2023

207 24.2% 68

/ 107 53 7

75 241 117T

100T 90

150T 25 310

POP 8200 40

10000 20 10

124 46.4T 31.3T

C114

Gartner

15% 2027 17%

GenAI 2025

(CASB) (CWPP) 87

2025

5G

IPv6 39.4%

45% 40% 30% IPv6

2023 10 IPv6

8.22 5.31

1.63 IPv6 2024 5500 IPv6

1445 1425 IPv6 98.6%

IPv6



ICT

Al

5G-A

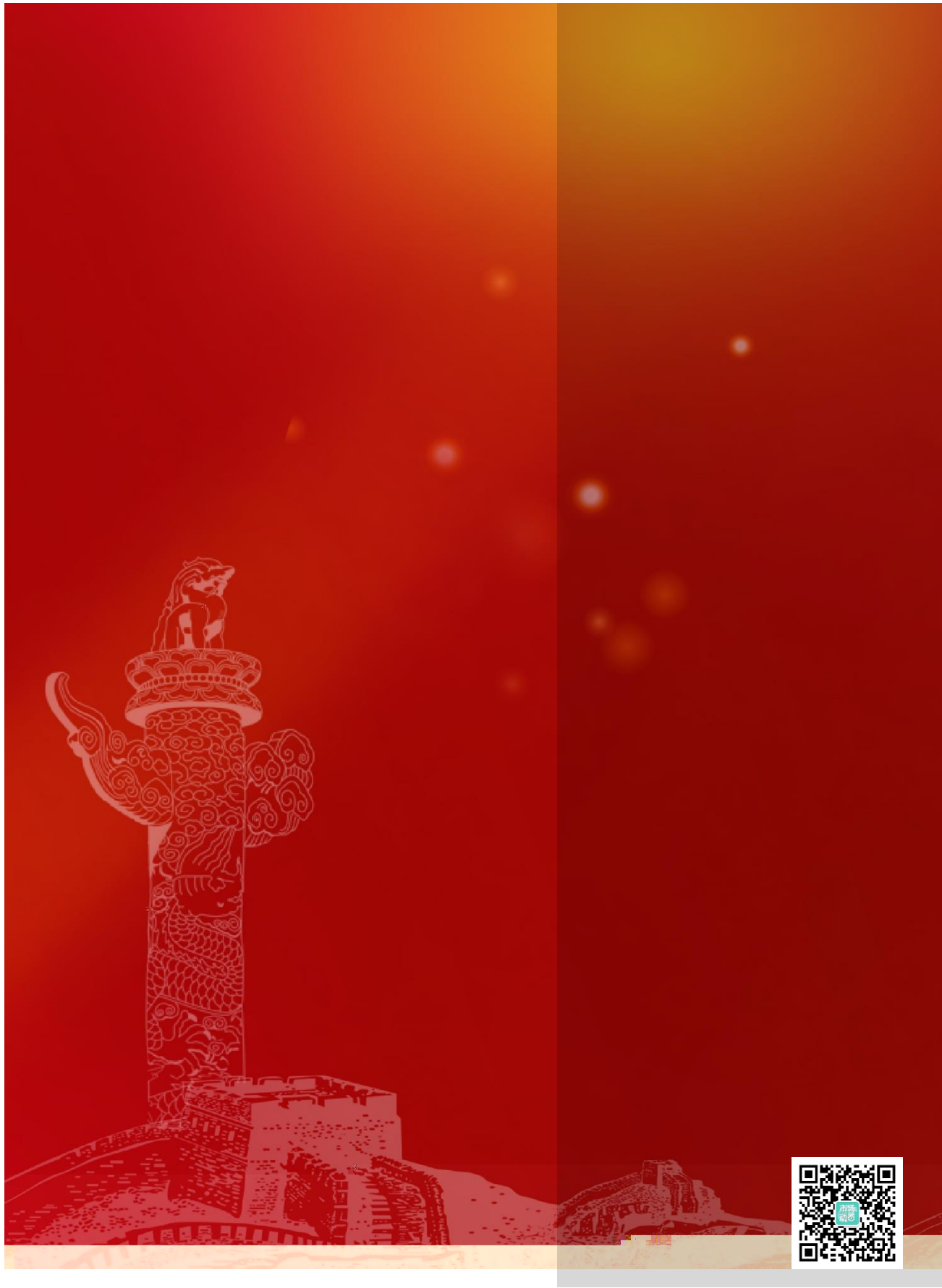
4

2022 2024

90.60	91.88	93.55
2023		

2700	2022	7.52
		91

7000 5.4



scgl@cernet.com



赛尔网络
CERNET