2020

9

57

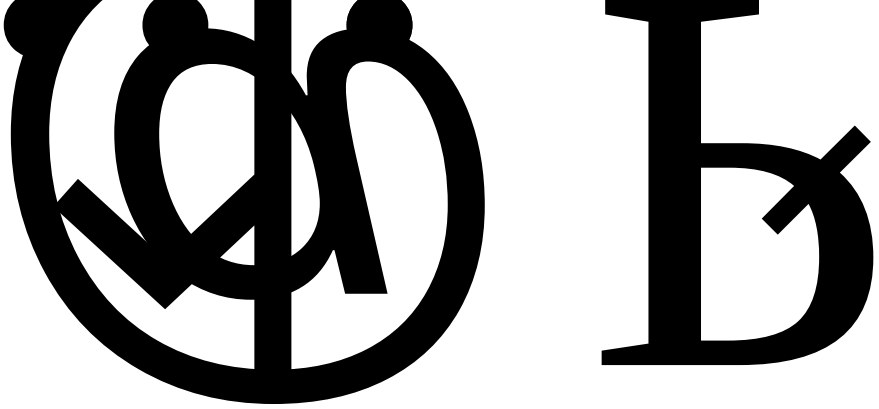


1

2

3

U-+· ù -4




..... - 1 -

..... - 1 -

..... - 2 -

..... - 2 -

..... - 3 -

..... - 3 -

..... - 4 -

..... - 4 -

..... - 5 -

..... - 6 -

..... - 7 -

..... - 8 -

..... - 9 -

..... - 9 -

..... - 9 -

..... - 11 -

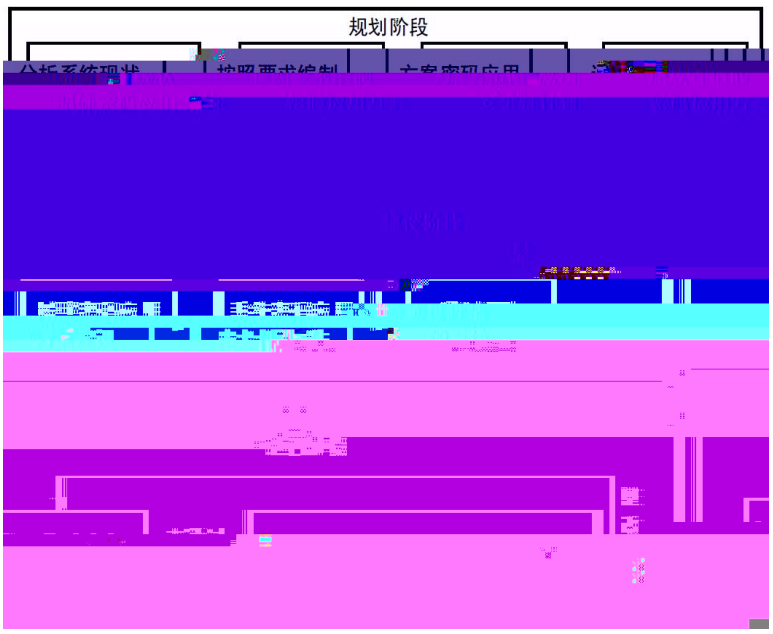
..... - 11 -

“

”

“ ”

1



“

”

“ - - 40 ”

“ ”

“ ”

2.

1.

2.

1. IPSec VPN GM/T 0022-2014 IPSec VPN

GM/T 0022-2014 IPSec VPN

(ã ¿ § Z

2. SSL VPN P T

1.

1. Ŏ يم

2.

3.

4.

5.

6.

IC

2.

3.

4.

5.

1





1

2 A4

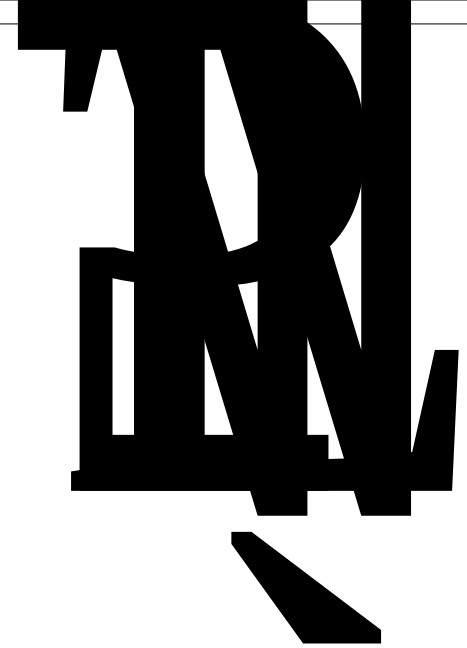


> Aô

5.2

5.2

5.2



| | | | / | |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |



5 6

; ÆN¯$ Ô ÆEýÊ5

2 2020 6

| | | | | |
|---|---|---|---|---|
| | | | | |
| 1 | GM/T 0001.1-2012 | 1 | GB/T 33133.1-2016 | 1 |
| 2 | GM/T 0001.2-2012 | 2 | / | |
| 3 | GM/T 0001.3-2012 | 3 | | |
| 4 | GM/T 0002-2012 | SM4 | GB/T 32907-2016 | SM4 |
| 5 | GM/T 0003.1-2012 | SM2 1 | GB/T 32918.1-2016 | SM2 1 |
| 6 | GM/T 0003.2-2012 | SM2 2 | GB/T 32918.2-2016 | SM2 2 |
| 7 | GM/T 0003.3-2012 | SM2 3 | GB/T 32918.3-2016 | SM2 3 |
| 8 | GM/T 0003.4-2012 | SM2 4 | GB/T 32918.4-2016 | SM2 4 |
| 9 | GM/T 0003.5-2012 | SM2 5 | GB/T 32918.5-2017 | SM2 5 |
| 10 | GM/T 0004-2012 | SM3 | GB/T 32905-2016 | SM3 |

| | | | |
|---|---|---|---|
| 11 | GM/T 0005-2012 | GB/T 32915-2016 | |
| 12 | GM/T 0006-2012 | GB/T 33560-2017 | |
| 13 | GM/T 0008-2012 | | / |
| 14 | | | |

| | | | |
|---|---|---|---|
| 22 | GM/T 0017-2012 | | / |
| 23 | GM/T 0018-2012 | GB/T 36322-2018 | |
| 24 | GM/T 0019-2012 | | / |
| 25 | | | |

| | | | |
|---|---|---|---|
| 33 | GM/T 0028-2014 | GB/T 37092-2018 | |
| 34 | GM/T 0029-2014 | GB/T 38629-2020 | |
| 35 | GM/T 0030-2014 | | / |
| 36 | GM/T 0031-2014 | | |

| | | | | |
|---|---|---|---|---|
| | | | | |
| 57 | GM/T 0044.5-2016 | SM9 5 | | |
| 58 | GM/T 0045-2016 | | | |
| 59 | GM/T 0046-2016 | | | |
| 60 | GM/T 0047-2016 | | | |
| 61 | GM/T 0048-2016 | | | |
| 62 | GM/T 0049-2016 | | | |
| 63 | GM/T 0050-2016 | | | |
| 64 | GM/T 0051-2016 | | | |
| 65 | GM/T 0052-2016 | VPN | | |
| 66 | GM/T 0053-2016 | | | |
| 67 | GM/T 0054-2018 | | | |
| 68 | GM/T 0055-2018 | | | |

| | | | | |
|---|---|---|---|---|
| | | | | |
| 69 | GM/T 0056-2018 | | | |
| 70 | GM/T 0057-2018 | IBC | | |
| 71 | GM/T 0058-2018 | TCM | | |
| 72 | GM/T 0059-2018 | | | |
| 73 | GM/T 0060-2018 | | | |
| 74 | GM/T 0061-2018 | | | |
| 75 | GM/T 0062-2018 | | | |
| 76 | GM/T 0063-2018 | | | |
| 77 | GM/T 0064-2018 | RCC | | |
| 78 | GM/T 0065-2019 | | | |
| 79 | GM/T 0066-2019 | | | |
| 80 | GM/T 0067-2019 | | | |

| | | | | |
|---|---|---|---|---|
| | | | | |
| 81 | GM/T 0068-2019 | | | |
| 82 | GM/T 0069-2019 | | | |
| 83 | GM/T 0070-2019 | | | |
| 84 | GM/T 0071-2019 | | GB/T 38541-2020 | |
| 85 | GM/T 0072-2019 | | / | |
| 86 | GM/T 0073-2019 | | | |
| 87 | GM/T 0074-2019 | | | |
| 88 | GM/T 0075-2019 | | | |
| 89 | GM/T 0076-2019 | | | |
| 90 | GM/T 0077-2019 | | | |
| 91 | GM/Y 5001-2019 | | | |
| 92 | GM/Y 5002-2018 | | | |

| | | | |
|---|---|---|---|
| 93 | GM/Z 4004.3 | | |
| 94 | | GB/T 17901.1-2020 | 1 |
| 95 | | GB/T 17964-2008 | |

/

XXXXX

PC

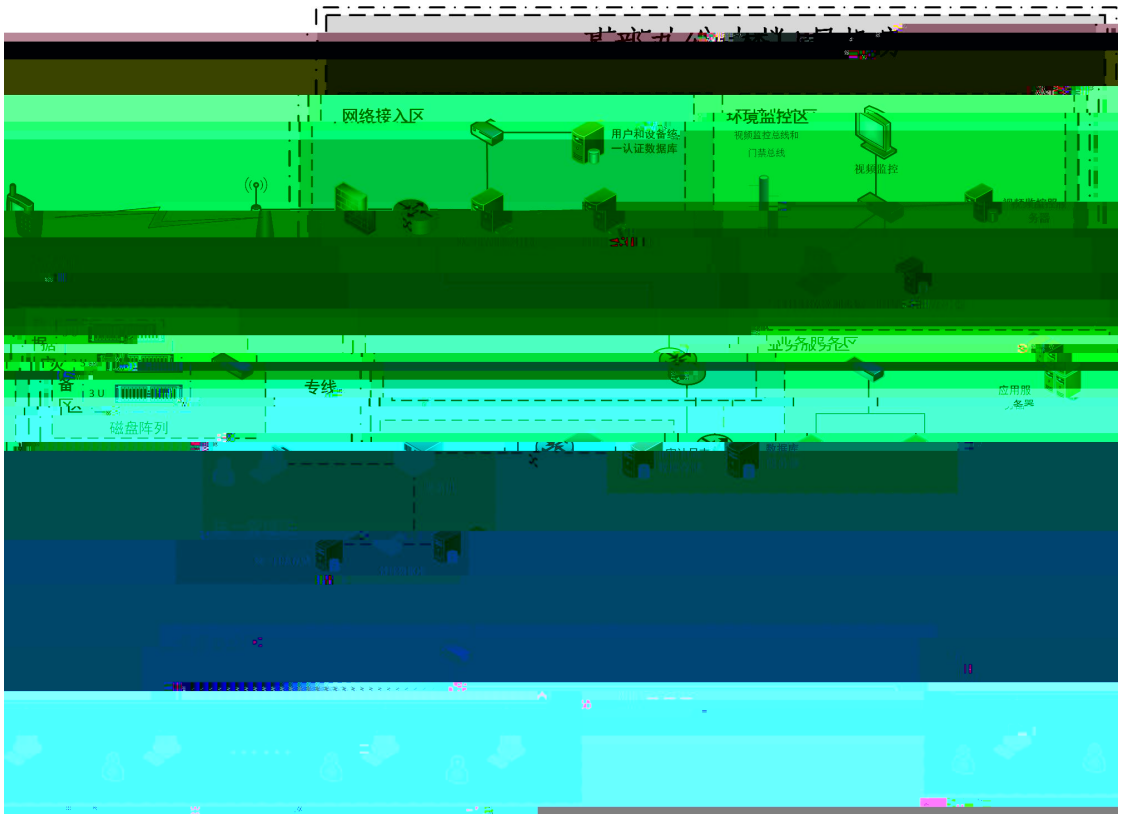
2017 5 31

XXXXXX XXXXXX

3 S3A3G3 2017 12 1

IT

1



2.0

ID

1 ID

2

GM/T 0036-2014

1

2 App HTTP

3 SSH

1

IPSec VPN

2

3

1 PC

“ ” SSL VPN

USB

“ USBKey ”

2

USBKey

USBKey USBKey

3

1 App

PC IE11

2

3

4

5

1 App

PC

SSL VPN

USBKey PC

2

3

PC

4

5

| | | | |
|---|---|---|---|
| | | | |
| | | App PC | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |



GM/T 0054-2018

GM/T 0071-2019

GB/T 33482-2016

GM/T ® . 11ž11M

GM/T 0025-2014 SSL VPN

GM/T 0026-2014

GM/T 0030-2014

GM/T 0031-2014

GM/T 0027-2014

GM/T 0014-2012

GM/T 0028-2014

GM/T 0033-2014

GM/T 0029-2014

GB/T 36968-2018 IPSec VPN

2

USBKey

SSL VPN

IPSec VPN

“ ”

GM/T 0036-2014

SM4

SM4

PKI

GM/T 0036-2014

SM4

SM4

GM/T 0030-2014

HMAC-SM3

GM/T 0036-2014

GM/T 0030-2014 GM/T 0028-2014

USBKey

GM/T 0030-2014

GM/T 0027-2014 USBKey

SM2

USBKey

USBKey

HMAC-SM3

GM/T 0030-2014

GM/T 0027-2014

GM/T 0028-2014 USBKey

App GM/T 0028-2014

GM/T 0026-2014

GM/T

0034-2014 SM2

PC

GM/T 0025-2014 SSL VPN SSL VPN

USBKey PC

GM/T 0029-2014

HMAC-SM3

GM/T 0031-2014

GM/T 0033-2014

GM/T 0027-2014

GM/T 0026-2014

GM/T 0029-2014 GM/T 0030-2014 GM/T 0031-2014

GM/T 0034-2014 SM2 GM/T 0033-2014 GM/T 0014-2012

GM/T 0028-2014

USBKey

CA

IPSec/SSL VPN USBKey

CA

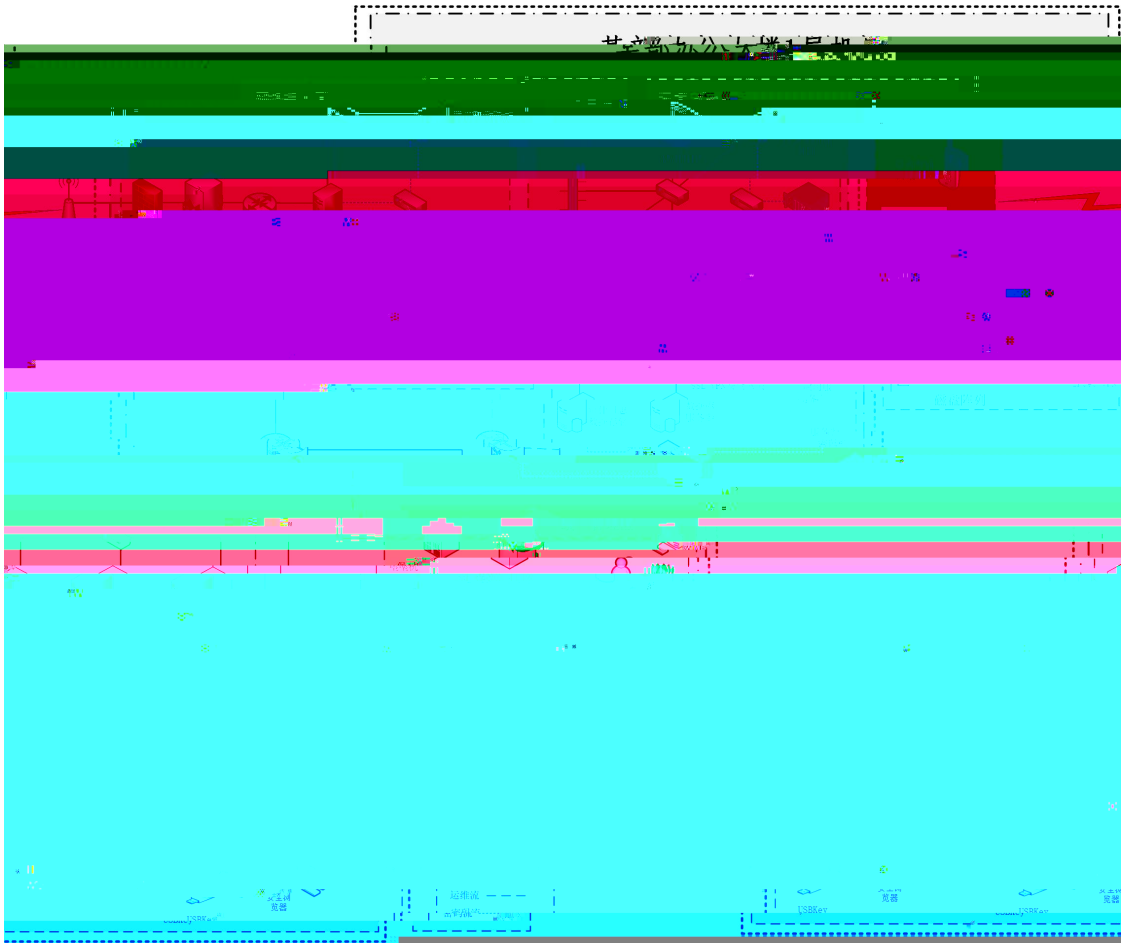
USBKey SSL VPN

IPSec VPN

SSL VPN

USBKey

IPSec VPN



| | | | | | |
|---|---|---|---|---|---|
| 1 | USBKey | | SM2/3/4 | | / |
| 2 | | | SM2/3/4 | | |
| 3 | | | SM2/3/4 | | |

| | | | | | |
|---|---|---|---|---|---|
| 4 | | | SM2/3/4 | 1 | / |
| 5 | | | SM2/3/4 | 1 | |
| 6 | | | SM2/3/4 | 1 | |
| 7 | | | SM2/3/4 | 1 | |
| 8 | | | SM2/3/4 | 1 | |
| 9 | | | SM2/3/4 | 1 | |
| 10 | | | SM2/3/4 | 1 | |
| 11 | | | SM4 | 1 | |
| 12 | | | SM2/3/4 | 1 | |
| 13 | USBKey | | SM2/3/4 | | |
| 14 | SSL VPN | | SM2/3/4 | 1 | PC<br>PC |
| 15 | IPSec VPN | | SM2/3/4 | 1 | |

| | | | | | |
|---|---|---|---|---|---|
| 16 | USBKey | | SM2/3/4 | | / |
| 17 | | | SM2/3/4 | 1 | |
| 18 | | | SM2/3/4 | 1 | |
| 19 | SSL VPN | | SM2/3/4 | 1 | |
| 20 | IPSec VPN | | SM2/3/4 | 1 | |

| | | | | |
|---|---|---|---|---|
| | | | / | |
| | | SM4<br>SM4 | | |
| | | HMAC-SM3 | | |
| | | HMAC-SM3 | | |
| | | | | |
| | | IPSec VPN | | |

| | |
|---|---|
| | / |

| | |
|---|---|
| | / |

| | | | / | |
|---|---|---|---|---|
| | | | | |
| | | USBKey<br>SSL VPN | | |

6.1

6

6.2

USBKey SSL

VPN IPSec VPN

6.4

3

2