

附件 1

教育部—中国移动科研基金 2020 年项目申请指南

J-1			3	1000
J-2		5G+	3	1000
1-1			2	100
1-2			2	150
1-3			1	70
1-4		CMBaaS	2	150
1-5		5G	2	150
1-6			2	150
2-1		5G	2	150
2-2			2	150
2-3			2	150
3-1		MIMO	2	140
3-2			2	150
4-1		5G	1	60
4-2			1	60
4-3			1	60
4-4			2	160
4-5		+	1	100
4-6			1	100
4-7			1	80

J-1		3		1000
13817293116 jiangxin@cmsr.chinamobile.com				
	5G+ PNT 5G+ 1. BDS/GNSS 2. + 3. 5G+ GNSS/INS/ 4. 5G+ 5G 5G / 5. PNT PNT PNT			
	BDS/GNSS 1 GNSS /GNSS 2 /			

	b	10 (2)	4	(1) (3)	- -	5
	c			6		
	d		2	2	SCI	2
		5G	5G			
	a	2PCS		>1tops		4
			4			
	b	5	2	1 5G 3		
		4				
	a				97%	
	b	4	3	(1)		
		(2)				
		5G				
			MEMS			
	a	2PCS 0.1mg/h	4		5 %h	4

b

6

(1) 5G

(2)

3

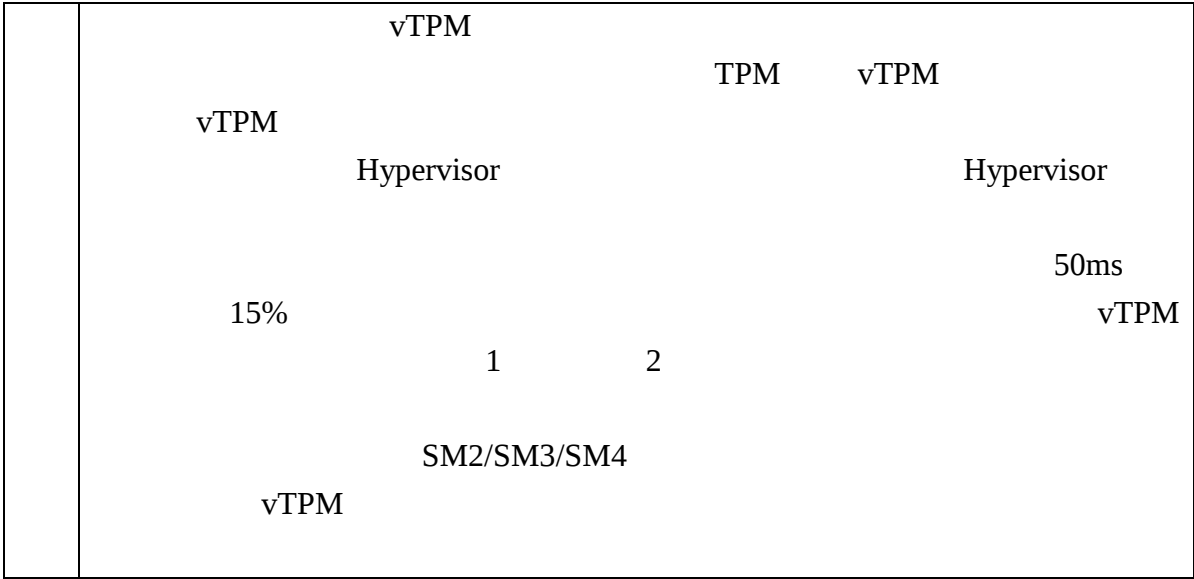
4

a b

1-1		2		100
18896723709 huguojing@cmss.chinamobile.com				
1				
2				
3				
	spark tensorflow Spark100 Spark			

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	Image Guest OS Guest OS HOST OS Guest OS vTPM SM2/SM3/SM4 vTPM
	vTPM TPM2.0 BIOS GRUB OS 1 1 hash hash TPM2 BIOS OptionROM MBR OS Loader OS Kernel 2 1



1-3		1		70
18867103587 wanghuaqing@cmhi.chinamobile.com				
	1 2 1 web 2 3 2014 4 1 2			

	1		10			poc
	2	CVE	CNVD	2014	-2020	
		360				
	3			5%		
	4					
		2				
	1		10			30
	2				F1	90%
	3					
			3			

	CMBaaS			
1-4		2		150
13811581467 yekeke@chinamobile.com				
	CMBaaS CMBaaS CMBaaS 1CMBaaS CMBaaS EOSBOSFabric 2CMBaaS CMBaaS DAPP CMBaaS EOSBOSFabric 3CMBaaS EOS BOSFabric 4CMBaaS EOS BOSFabric 5			

	EOS	BOS	Fabric	
CMBaaS				
1				1
	EOS	BOS	Fabric	CMBaaS
				1
			1	1
	EOS	BOS	Fabric	CMBaaS
1				1
	EOS	BOS	Fabric	CMBaaS
1				1
				1
	EOS	BOS	Fabric	
				1

	5G			
1-5		2		150
13701181995 lixiangjun@chinamobile.com				

5G

5G

5G

5G

5G

1 5G

5G

5G

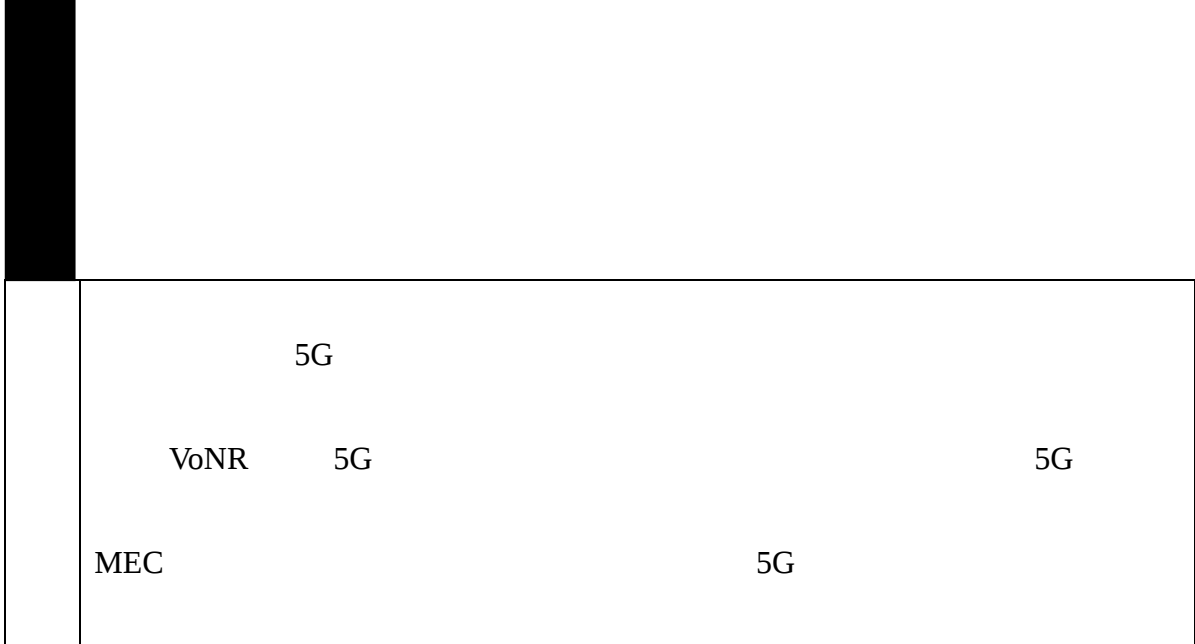
USRP

5G

2 5G

5G

SBA 5G SDN NFV HTTP



1 5G
1 5G
2

2

16# Cf ñ w€S / (Ç

1-6		2		150
13810189258 jiangweiqiang@chinamobile.com				
	PB 1 (5G 2 3 5G / 5G 4 5G 5G			

	OCR
1	(5G 1
2	1
3	1
4	1
5	/ 100 , 200
6	5 CVE CNVD CNNVD
7	AI 2
1	1
2	1 90%
3	10000
4	5 CVE CNNVD
5	5
6	AI 2
1	5G 1

	2		1		5G	
	3	1			80%	90%
	4			2		
	1					1
	2		5G			
	3					
				97%		
	80%		85%			
	4					2

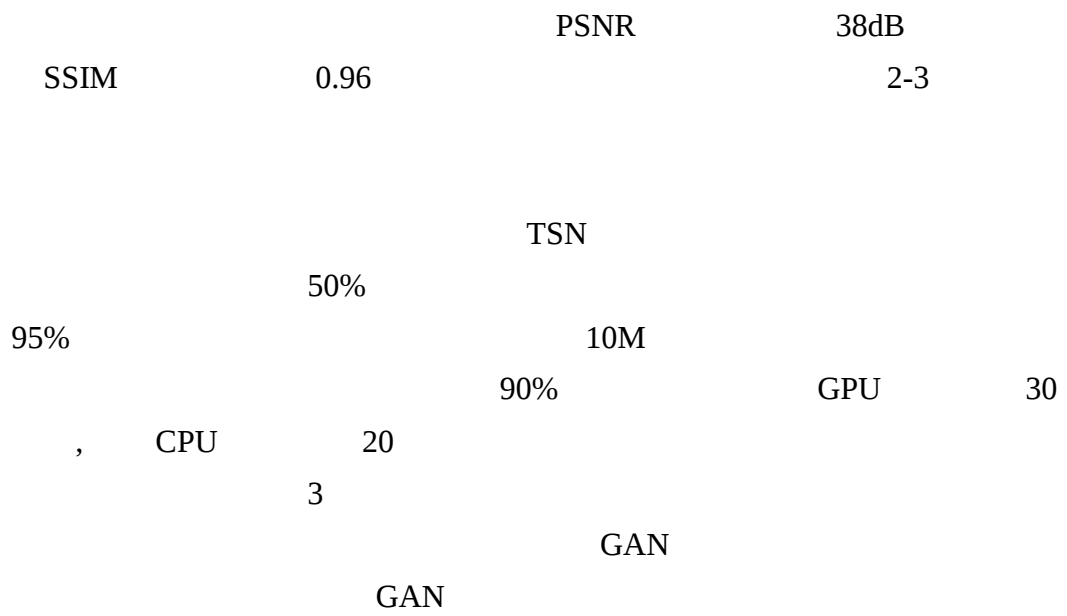
	5G			
2-1		2		150
13818849633 xiongzhiquang@cmsr.chinamobile.com				
	5G			
1	sdk			
2				
3				
	1 tinyOS RIOT OS WindRiver			

	2
	1

2-2		2		150
15991454496 chenhuiquan@chinamobile.com				

IoT

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	MIMO			
3-1		2		140
13688800664 wangjizhao@cmdc.chinamobile.com				
	2/3/4G 5G Sub-6GHz MIMO			
	ECC			
	5G			
	5G			
	5G			
	5G			
	150mm*100mm*40mm			
	5G /			
	,			
	,			
	,			
	5G			
	5G			
	ECC			
	,			
	(MIMO)			
	,			
	ECC			
	ECC			
	MIMO			
	5G			

	5G MIMO - 5G ECC 5G - 5G 5G									
	5G / 2/3/4/5G 820-960MHz 35% 1710-2690MHz/3300-3600MHz/4400-5000MHz 50% S11 -6 dB 2 5G ECC 2MIMO 2G/3G/4G/5G 0.5 20dB 820-960MHz ECC 0.5 1710-2690M ECC 0.3 3300-3600/4400-5000MHz ECC 0.2 2 - 5G 100mm 5									

	1710-2690MHz/3300-3600MHz/4400-5000MHz 50% 40%, 1 5G 5% 0.5dB 3dB 1 Demo
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3-2		2		150
18896724386 liuwei3@cmdi.chinamobile.com				

	5G			
4-1		1		60
	5G 5G VR/AR 5G 5G			
	5G 5G			
	1. 5G VR/AR GPU 2. 5G 5G VR/AR 5G 5G 3. 5G 5G			
	☑ ☑ ☑ ☑			
	1. 5G 2. 5G 3. 3 5G			

4-2		1		60
	2019 2035			
	1. 2. 3.			
	☒	☒	☒	☒

	1. 2. 3.
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4-3		1		60
	+			
	1. 2. 3. 4.			
	☒ ☒ ☒			
	1. 2. 3.			

	5.
	☒ ☒
	1. 2. 3.

	+			
4-5		1		100
	+ 2020 + + + +			
	+ + + +			
	1. 2. 3. + + + +			

4-6		1		100
	2019			
	2020			

	☒ ☒
	1. 2.

4-7		1		80
	2019 2035 2.0 +			
	1. 2.			

	3.
	☒ ☒ ☒ ☒
	1. 2. 3.

4-8		1		100
	2019 2035 2.0 + 2012 2018			
	1. 2. 3. URL			

	☒ ☒
	1. 2. 3.

4-9		1		80
项目概述				

	☒ ☒ ☒
	1. 2. 3.

4-10		1		100
	1. 2. 3.5G			

	21 4.
	☒ ☒
	1. 2. 3.