

附件 7

“网络协同制造和智能工厂”重点专项
2019 年度项目申报指南

2006 2020

2025

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2019

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3

5

5

2018 2022

1. 基础前沿理论

1.1

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2

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20

1.2

1

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2

1.3

AR

1

1

1

1.4

10

3

2. 共性关键技术

2.1 ERP

ERP

ERP

/ / / / /

ERP

ERP

5

ERP

8

5

20

ERP

2.2

ERP

ERP

ERP

ERP

ERP

ERP

ERP

ERP

ERP

ERP

5

ERP

ERP

10

ERP

7

20

2.3

CAE

/ / /

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20000

1

90%

95%

1

2

10

3

2.4

CAE

CAE

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CAE

CAE

/

/

/

2

2.5

MBD

CAD

8

10
1 20
5
2.6 5G

5G

1

5G

5ms

1

1

5G

1

30%

2.7

1

500

1PB

1

300

300

1

2

2.8

CAPP

CAPP 1

1

0.3mm

1

5

1

2.9

3C

1

1

PCB

1

2.10

- -

5

10

1

2

1

1

2.13

OPC-UA

5
20
20
1
100m
10kbps
2
2.14

1

FMI

100

2.15

1

100

1

20 1000

5 20

10 500

5000

100

30

2.16

/ /

10

3

20

1

1

90%

20

/ /

2

2.17

IP

IP

Intellectual Property

IP

IP

IP

5G

IP

IP

IP

IP

3

30%

IP

1

100

10

2.18

10

100

20

5

2.19

30

5

PB

5

2.20

/ / /

6

20

5

5

10

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2.21

2000

5

10

2.22

ERP/MES/PLM/CAX

API

5

20

AGV

50

5

15

2.23

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APP

APP

APP

APP

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20

20

20

APP

2

2

30

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APP

2

30

2.24

3D

4

1000

3D

10000

2

50%

2.25

/ APP

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10

3.1

					1
			1		30%
			5		1
					20
	/		1		
1				500	
3.2					

1
20
1
1
30%
5
500
1
3.3
3C
3C
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3C

3C

3C

1

3C

20

1

1

30%

5

1

500

3.4

1
20
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/
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30%
500
1
3.5
1
5

1 1
8000
30% 5
1
1000
3.6

1 1 20 1
1 30%
1

5

1

1000

3.7

1

20

1

1

30%

5

1

300

3.8

1
5

1

300

1

30%

1

1

20