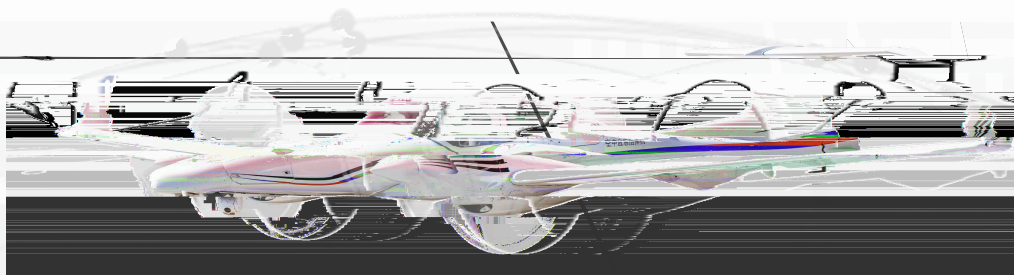


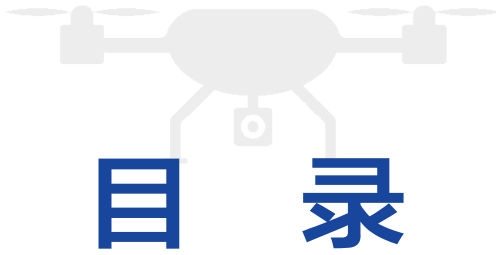
低空航行系统

拥抱低空经济 安全智慧飞行



中国电子科技集团有限公司

2024年9月



引 言

一、低空经济时代背景

二、低空航行面临挑战

三、低空航行目标愿景

四、低空航行系统

五、结束语



引言

INTRODUCTION

LAAS

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低空经济 时代背景



eVTOL

33.8%	2026	2023	2030	5059.5	2
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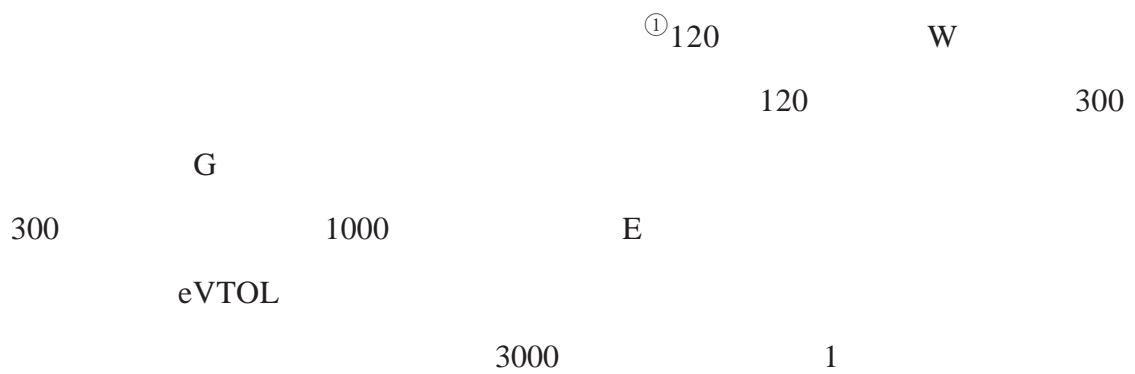
二 低空航行 面临挑战

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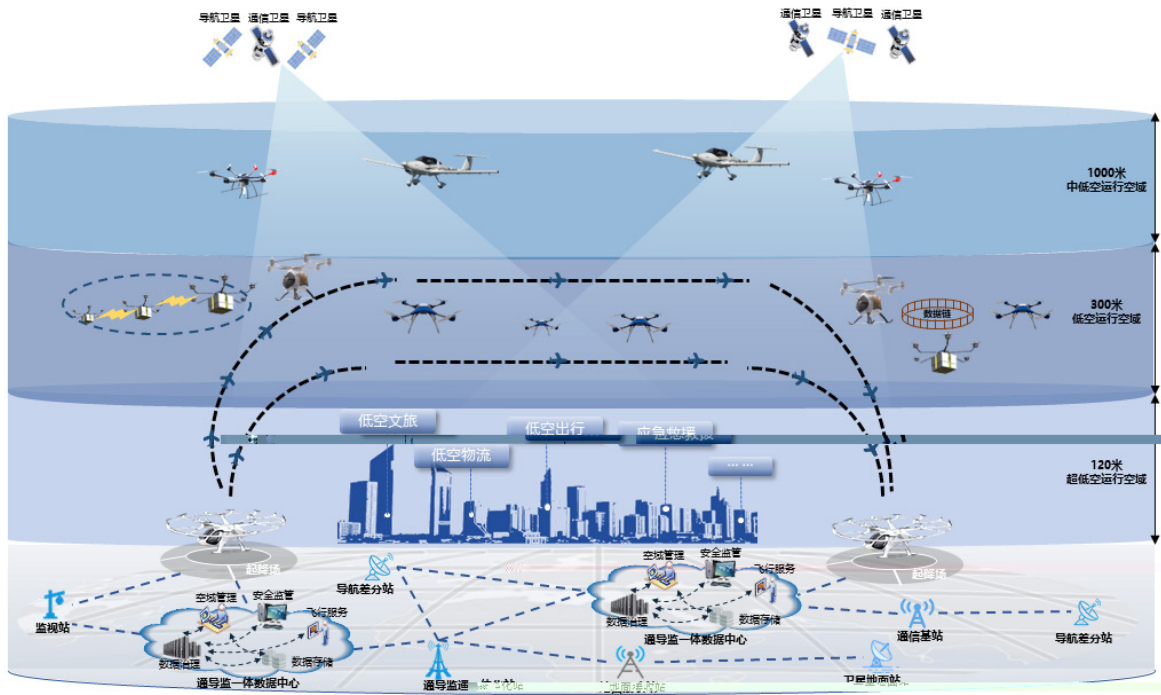
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三 低空航行 目标愿景

(一) 运行概念



①



eVTOL

①

②

③

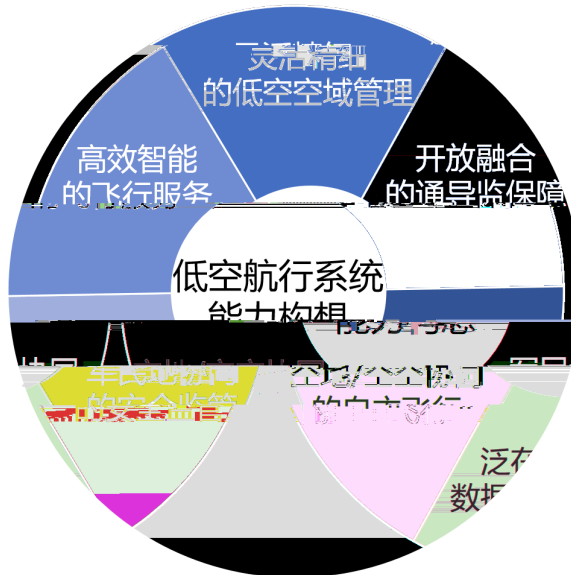
①

②

③

(二) 能力构想

2





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①

(三) 阶段目标

300

300

①

300

300

①

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①

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(二) 系统组成

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4



eVTOL

eVTOL

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FBO

4G/5G

ISAC

GNSS

BDSBAS

RemoteID

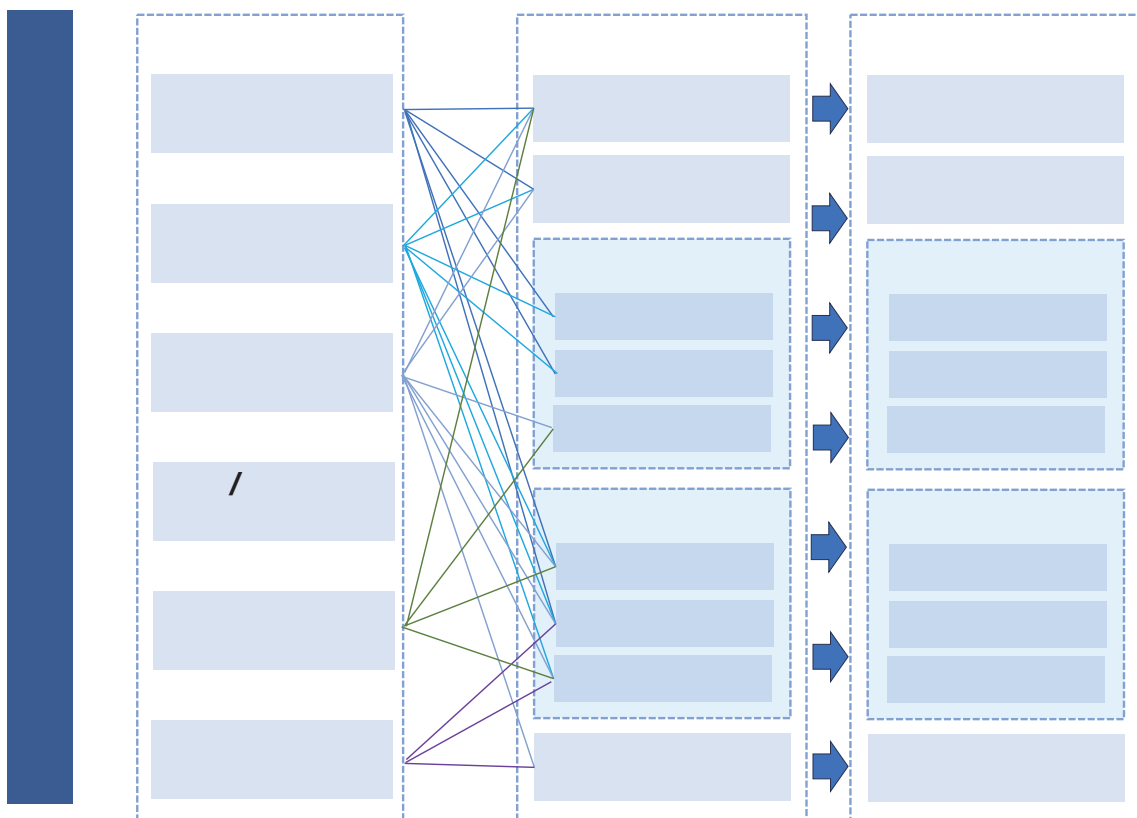
5G A

ADS B



(三) 系统演进

5

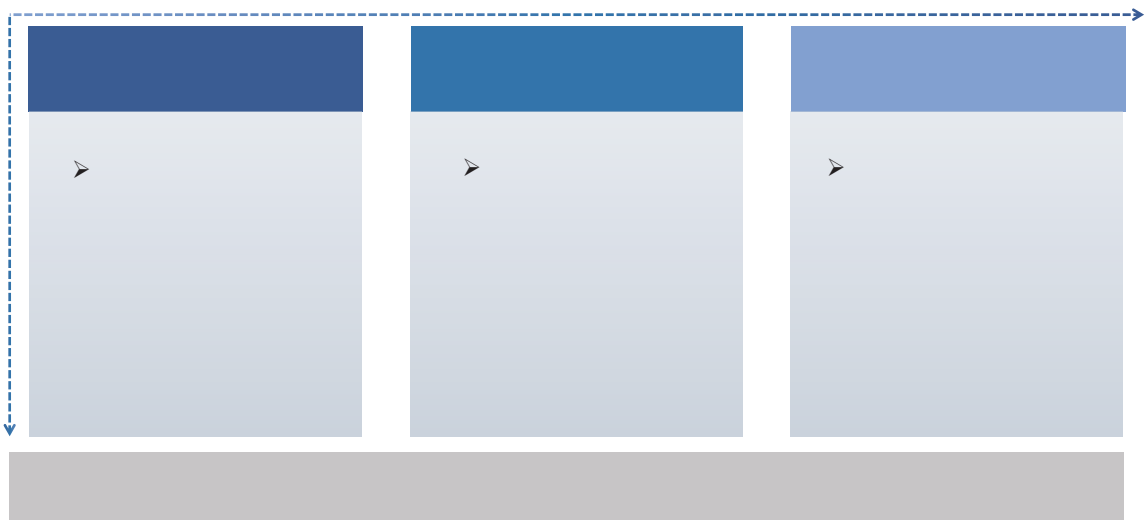




GIS



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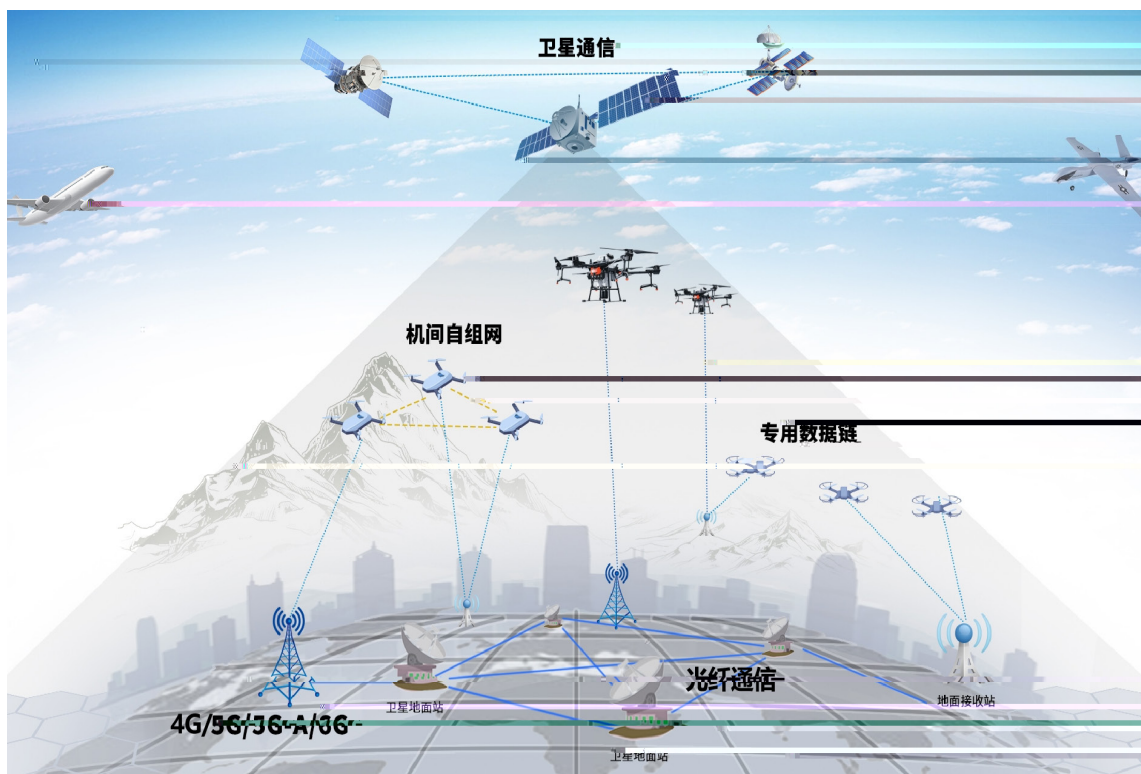






4G/5G/5G A/6G

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5G

5G

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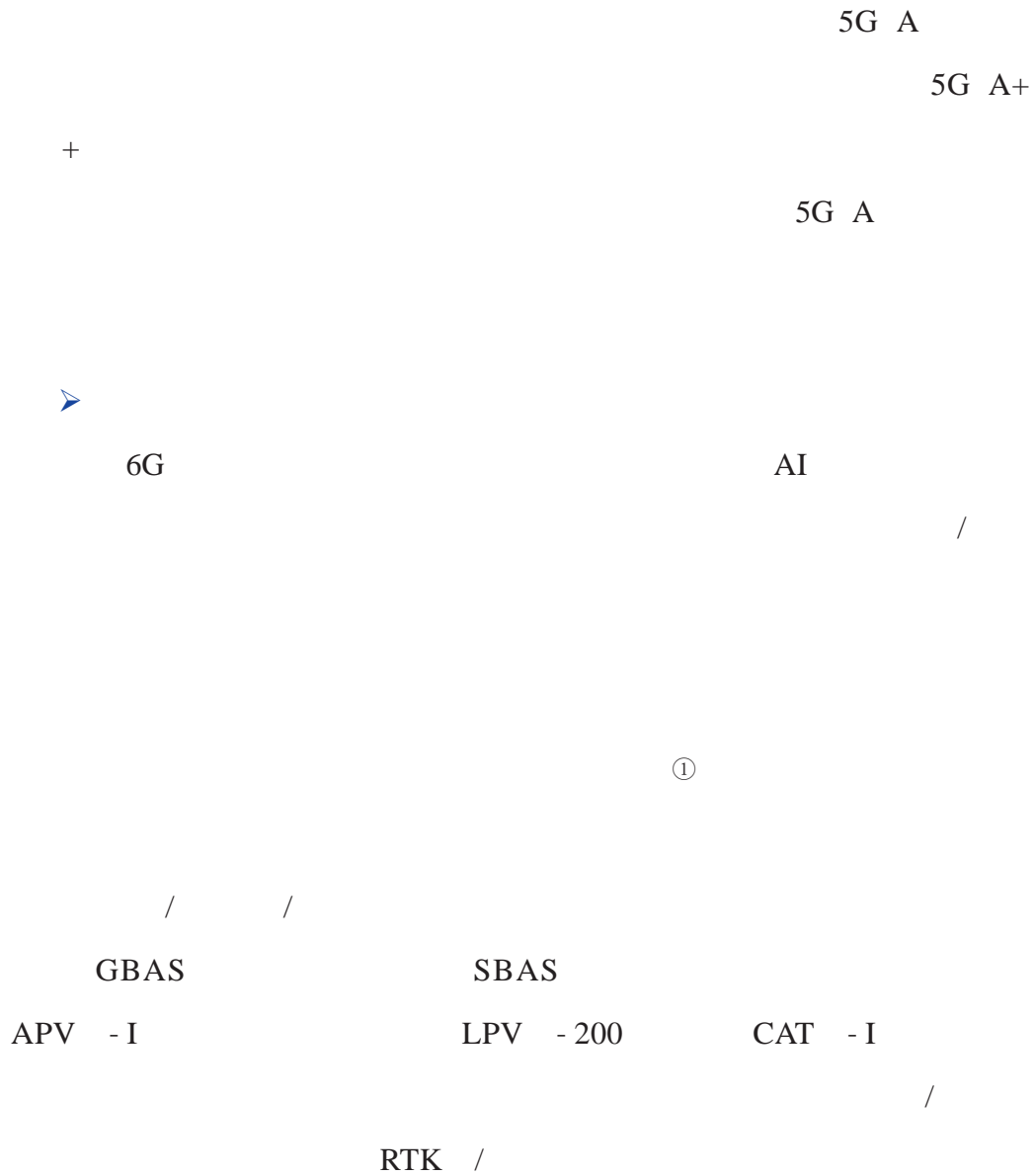


5G 5G A

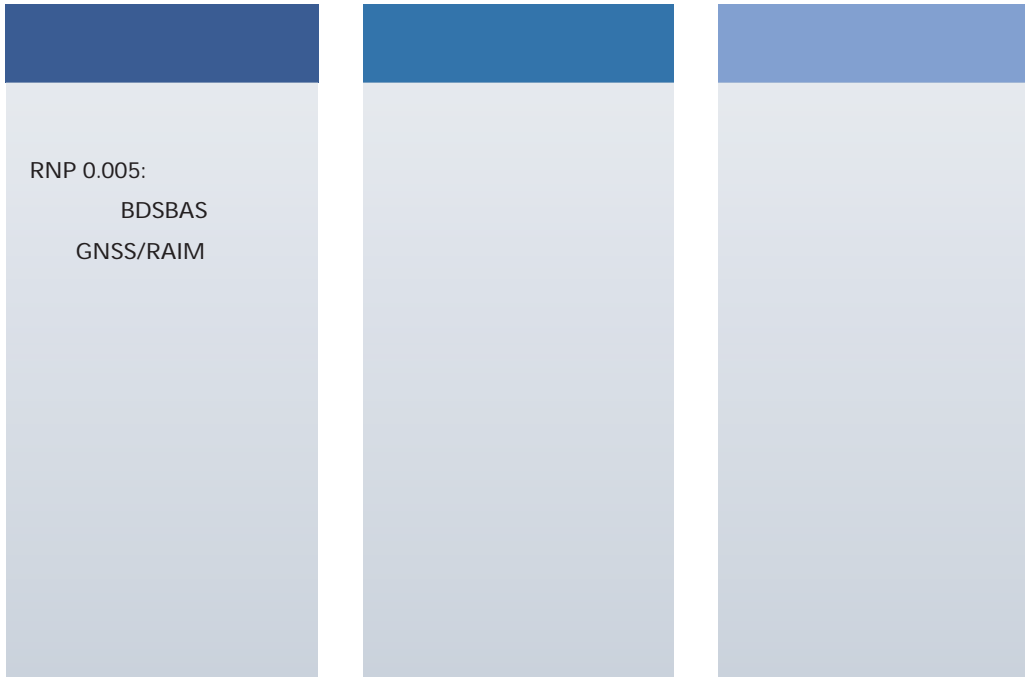
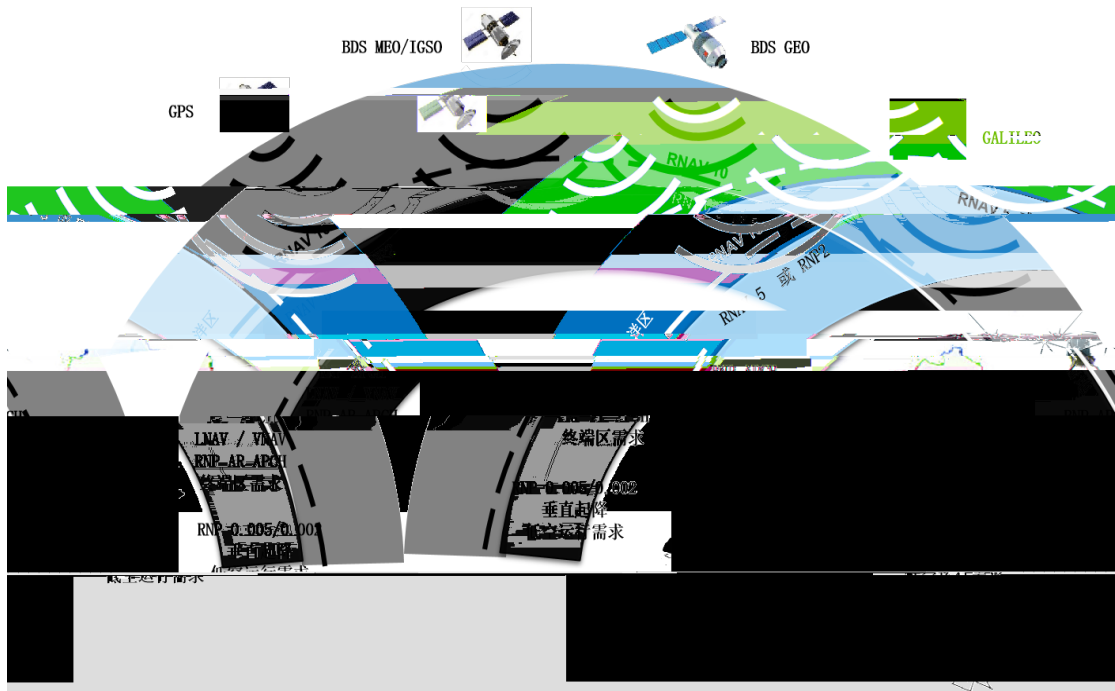
5G A

150m

①



>6¹ÔPSØ "csá12î| Áò 2 -





GNSS/BDSBAS / ① GNSS/RAIM
 RNP0.005 40ns
 GBAS GBAS 3m/ 4m
 95% 2×10^{-7} /
 2×10^{-7}
 RTK/ RTK
 8cm/ 10cm



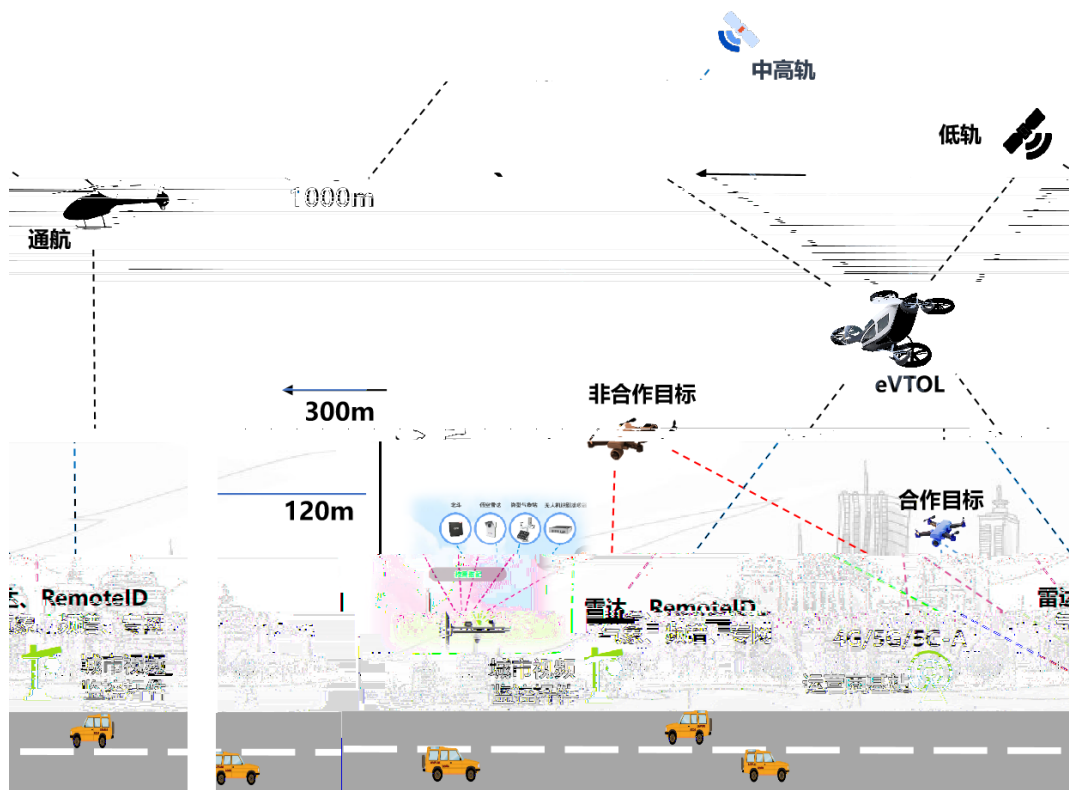
GNSS/BDSBAS
 / ② GNSS/ARAIM RNP0.002
 20ns
 BDSBAS GBAS BDSBAS 3m/ 4m
 95% 2×10^{-7} /
 GBAS 1.5m/ 2m
 95% 2×10^{-7} /
 RTK/ 10

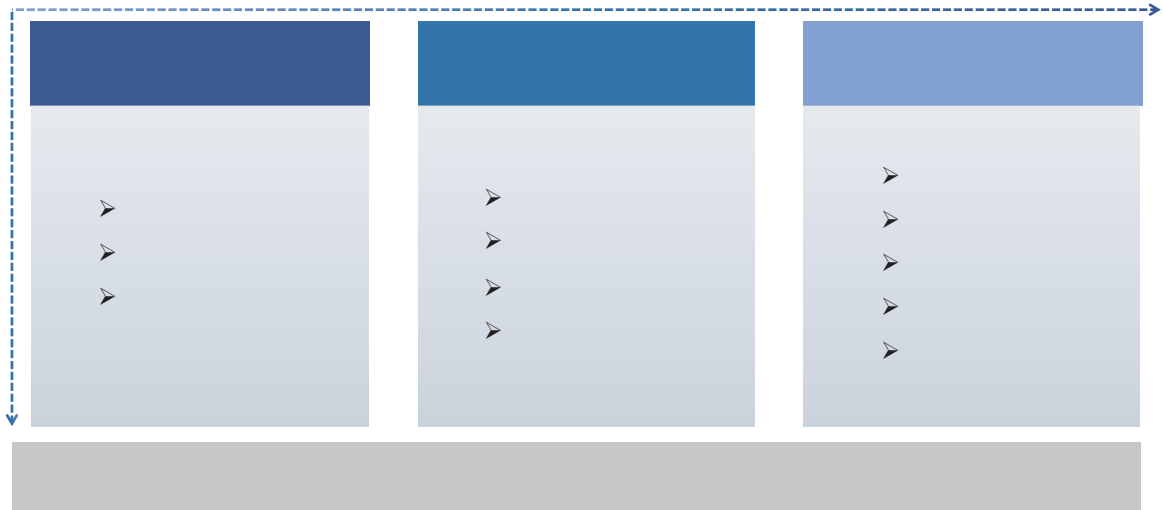


①
 GNSS RAIM
 RAIM
 ②

GNSS

	GAST X/ 2×10^{-7}	GAST X	8cm/ 10cm	10cm	95%
	- 300	300 - 1000		120	120





ADS B 5G WIFI

AI

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AI



1000

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AI

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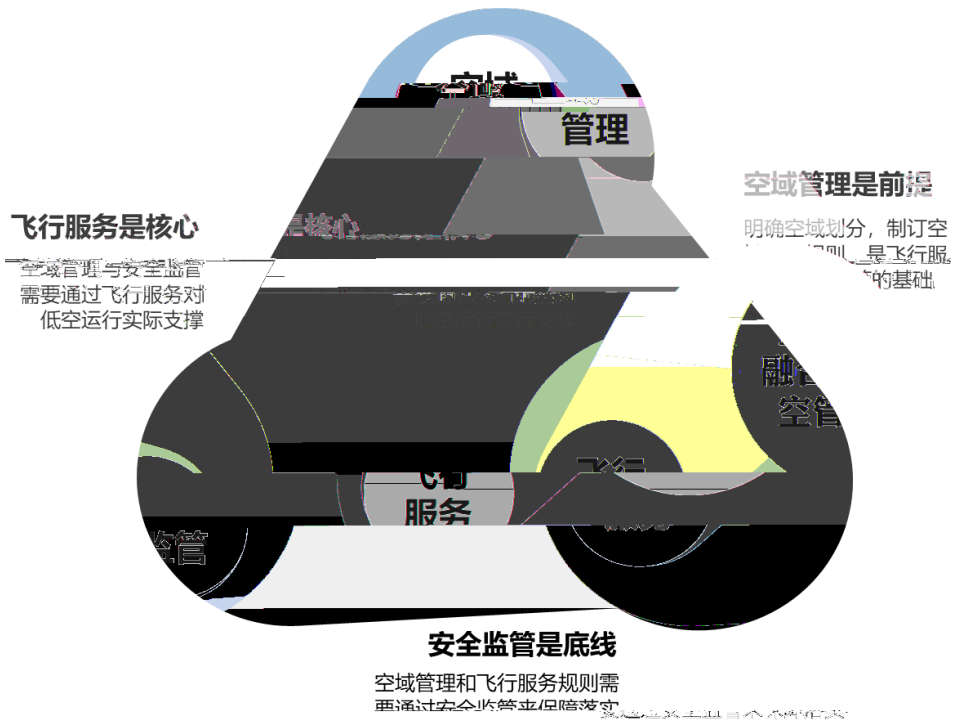
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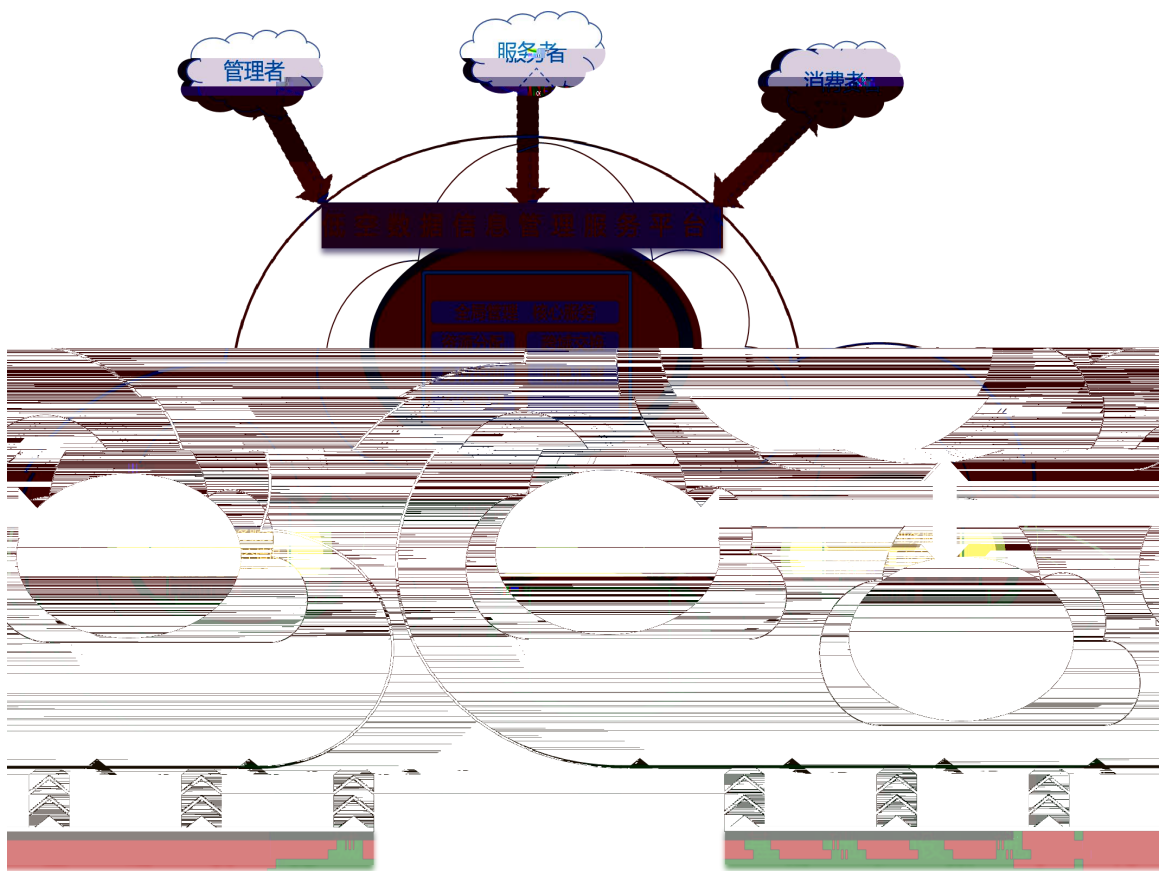


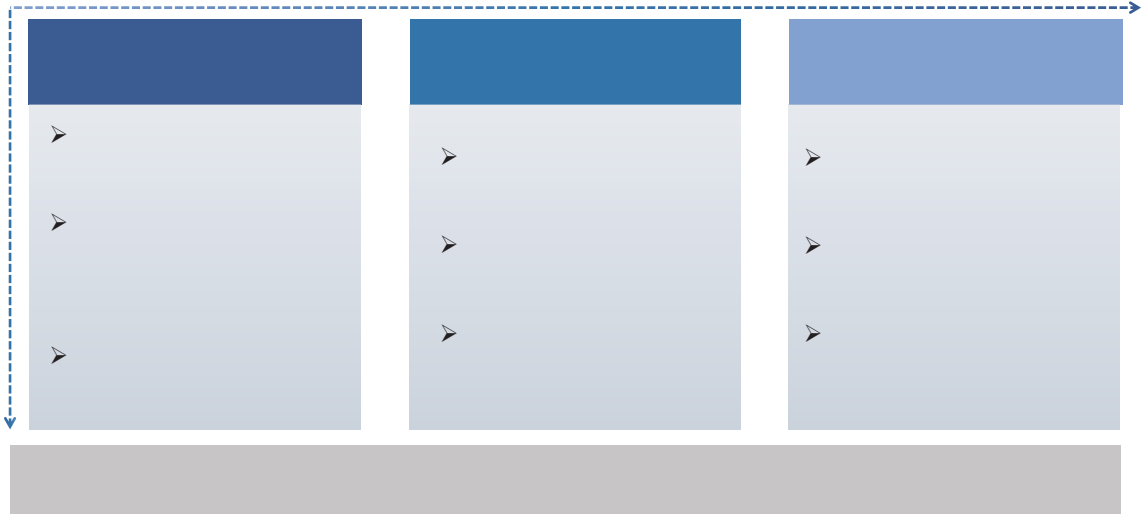
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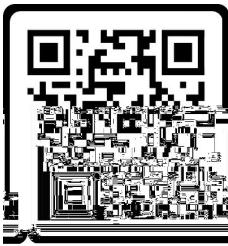
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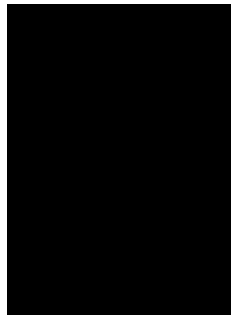


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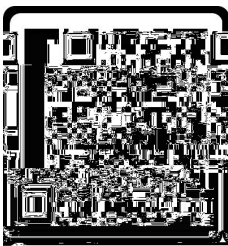
China Electronics Technology Group Corporation
CETC



中国电科官网



国号 中国电科强



中国电科微博号



中国电科头条号



中国电科视频号