



中国民航

行业发展与持续安全 Development and Safety

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序言 Preface





践行一个理念
推动两翼齐飞
坚守三条底线
完善三张网络
补齐四个短板

内 容 Content

第一部分 行业发展现状

Part 1 Present Situation of the Industry

第二部分 中国民航飞行标准发展历程

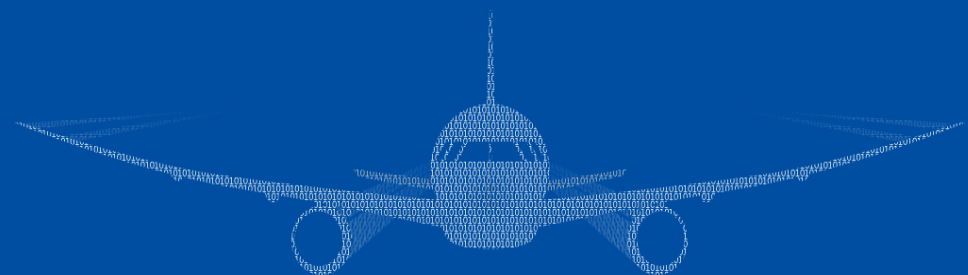
Part 2 History of CAAC Flight Standards

第三部分 未来工作方向

Part 3 Tasks in Near Future

第一部分 Part 1

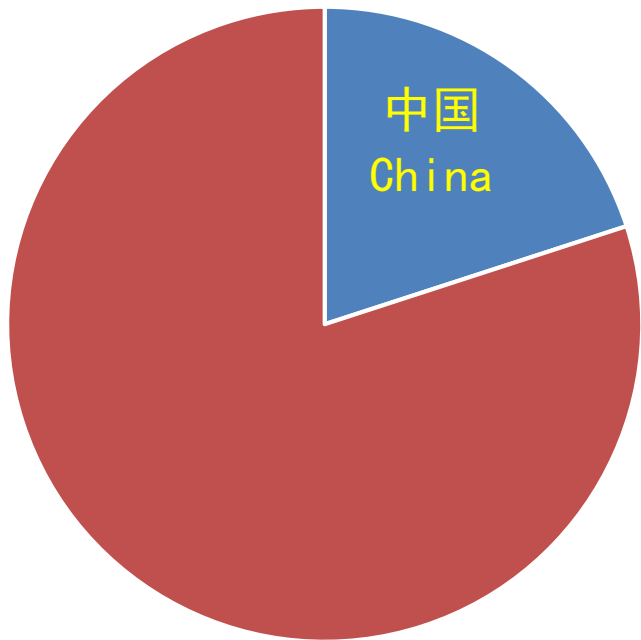
行业发展现状 Present Situation of the Industry



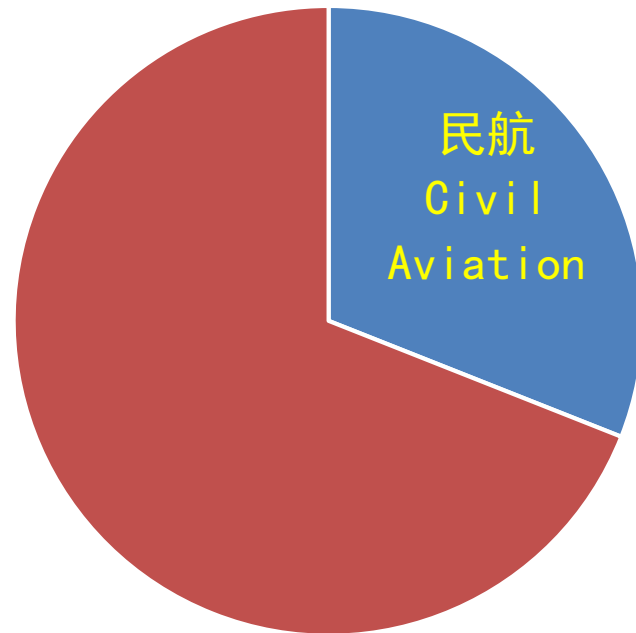


中国民航七十年发展

The Development of China's Civil Aviation in 70 years



中国对全球航空运输的贡献率超过了20%
China's (Mainland) Total Air Transport Turnover
is over 20 percent of the whole world



民航旅客周转量在国家综合交通体系中的
比重达到了31%
Passenger Volume is up to 31 percent of
the whole transport system of China

全行业航空运输总周转量（不含港澳台地区）连续14年位居世界第二

The Rank of China's (Mainland) Air transport Turnover has been second in the world for 14 years.



行业内公司和机构数量迅速增加

Rapid Growth of China's Civil Aviation: Organizations



CCAR-121运营人 (Operators) :	54
CCAR-135运营人 (Operators) :	87
CCAR-129运营人 (Operators) :	189
CCAR-91运营人 (Operators) :	424
CCAR-145维修单位 (Repair Stations) :	958
CCAR-141/142驾驶员学校与训练机构 (Pilot Training School and Org.) :	111
CCAR-147维修培训机构 (Mechanic Training Org.) :	94





行业内人员数量持续增长

Rapid Growth of China's Civil Aviation: Professionals



项目	数量
航空器驾驶员执照 Pilot Licenses	65468
航线机长 PICs of Air Carrier	19186
维修人员执照 Maintenance Licenses	57718
签派员执照 Dispatcher Licenses	8309
客舱乘务员 Flight Attendants	112543
体检合格证 Medical Certificates	203048
无人机驾驶员 UAS Pilots	62287



航空器驾驶员
Pilot



客舱乘务员
Flight Attendant



签派员
Dispatcher



维修人员
Mechanic



体检合格证
Medical Certificate



无人机驾驶员
UAS Pilot



运输飞机
Transport Airplane

3710



通用航空器
GA Aircraft

2864



飞行模拟训练设备
FSTD

465



五

民航运行时间持续增长

Rapid Growth of China's Civil Aviation: Flight Hours





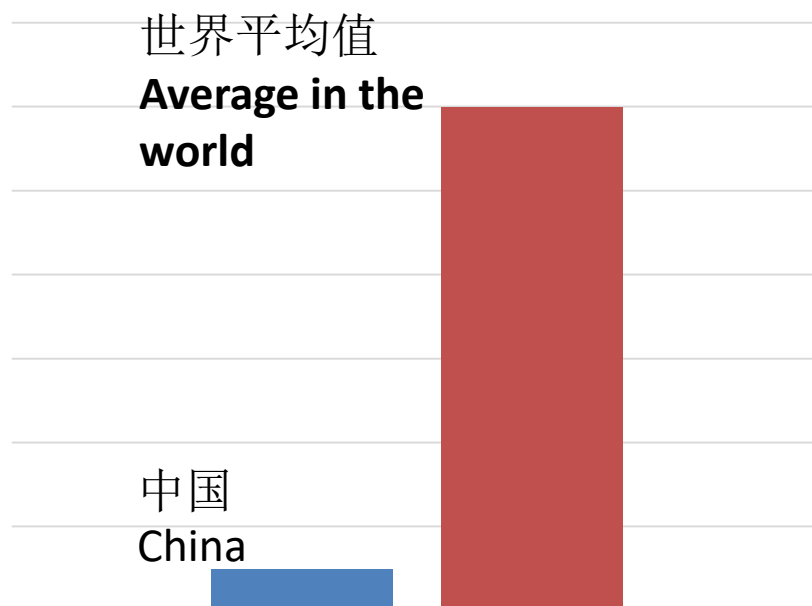
PBN $\approx 100\%$

ADS-B OUT $\approx 100\%$

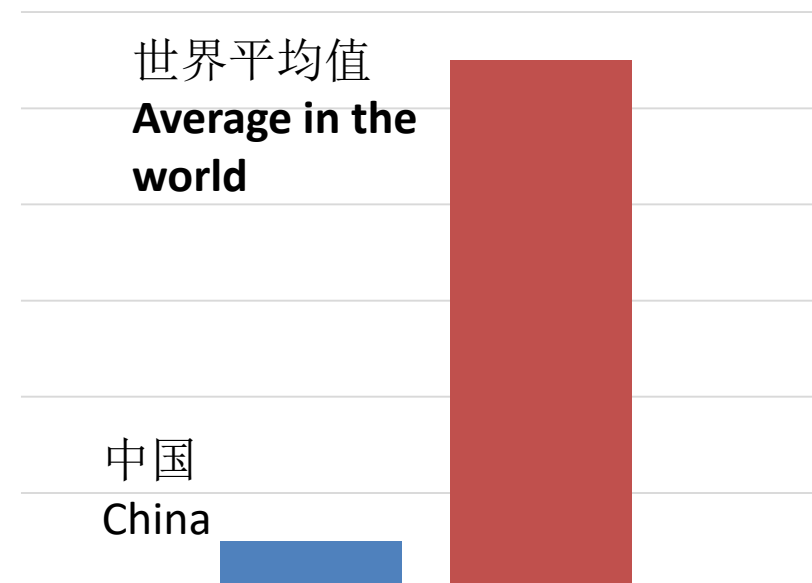
HUD 20 & 11

EFB $> 50\%$

亿客公里死亡人数十年滚动值
10 years rolling value of fatal



重大事故百万时率十年滚动值
10 years rolling value of serious
accident per million hours

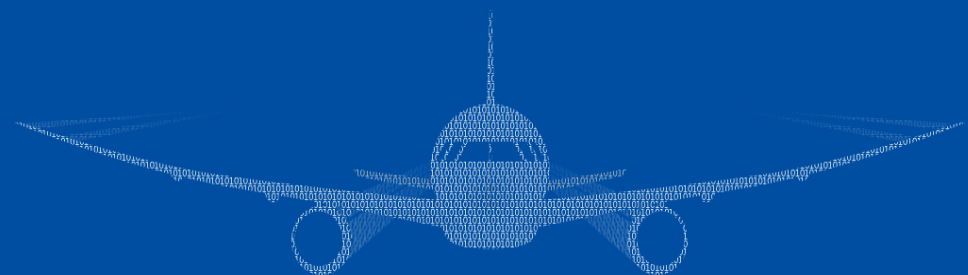


截至今年9月底，运输航空已实现持续安全飞行109个月、7760万小时。

By the end of Oct. 2019, Air Transport had been operated safely for 109 months and 77.6 million flight hours.

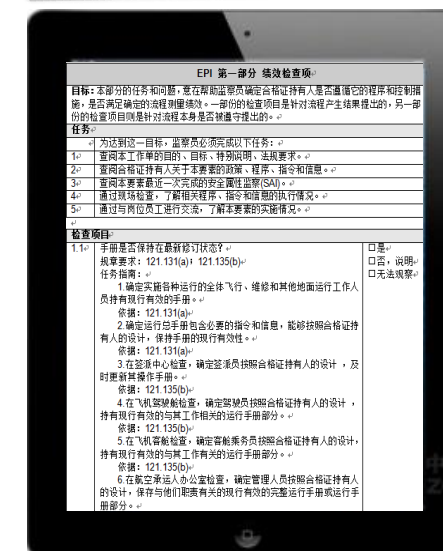
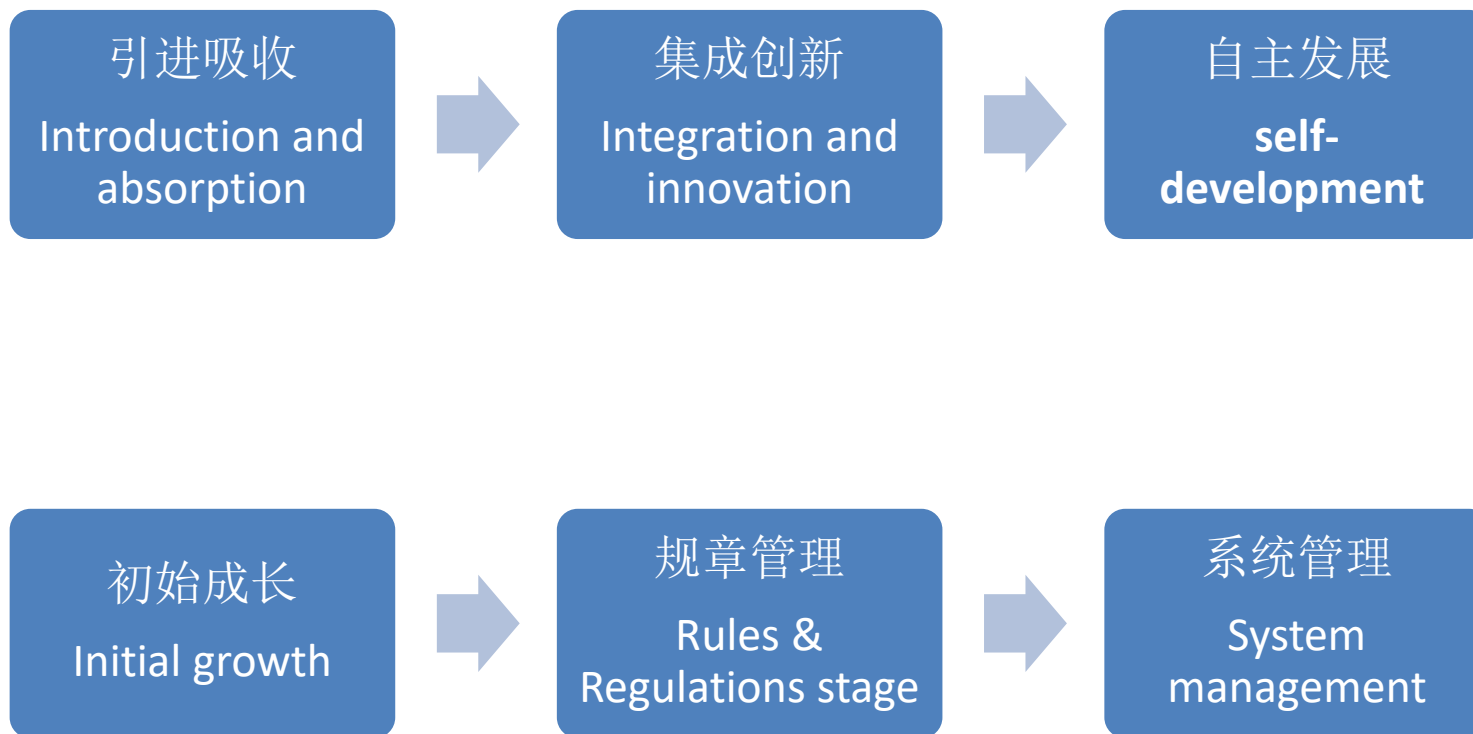
第二部分 Part 2

中国民航飞行标准发展历程 History of CAAC Flight Standards





形成了一套科学有效的管理体系 Formulation of A Effective Management System





初始成长阶段 Phase of the Beginning



建立健全符合国际民航组织标准、具有中国特色的民航飞行标准规章体系，实施科学的、现代化的飞行管理，达到国际先进的安全管理水平。

Established a regulation system of flight standards with Chinese features, which conforms to the standards of ICAO, implements modernized flight management, and achieves a high level of safety management.



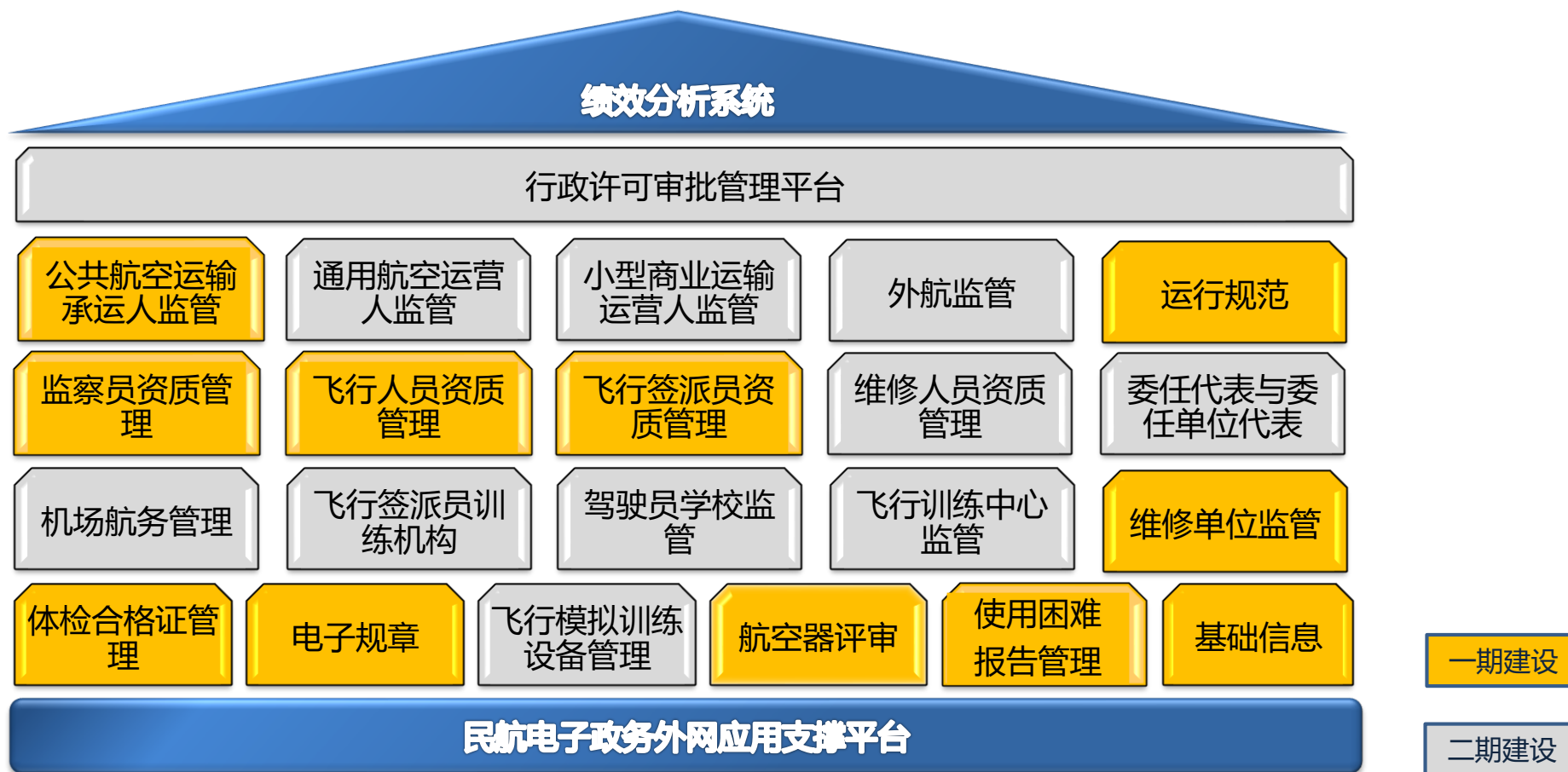


系统管理阶段

Phase of System Management



飞行标准管理工作全覆盖

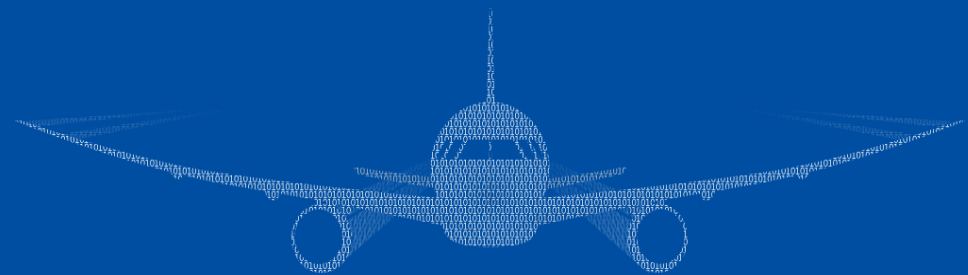


第三部分

Part 3

未来工作方向

Tasks in Near Future





总体思路 General Idea



以建设世界一流的民航飞行标准管理体系为己任，以问题为导向，着力破解制约行业安全发展的突出问题，努力推动质量变革、效率变革、动力变革，全面提升行业飞行运行品质和局方安全监管效能，促进民航持续健康发展。

To establish a high level of flight standards management system, to solve critical issues which restricts the industry growth with acceptable safety level, to promote the reform of quality, efficiency and driving force, to improve the quality of flight operation and the efficiency of safety inspection, to promote the sustainable and healthy development of civil aviation.





进一步加强系统建设 Strengthen System Construction



1

重点监管、精准监管和差异监管

Key supervision, precise supervision and differential supervision

2

搭建全新架构的审定监察系统

Develop A Certification and Supervision System with new framework

3

建立培训考试、FSIMS、SPAS、门户网站

Establish training, examination, FSIMS, SPAS, and portal website



进一步加强“三基”建设 Strengthen the Foundation



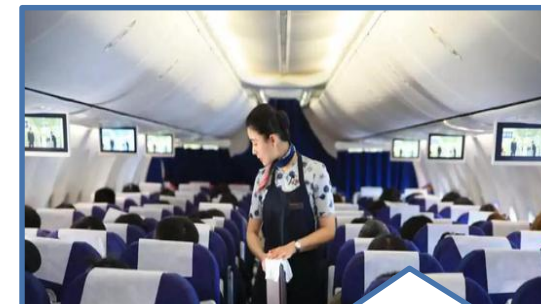
航空器驾驶员
Pilot



维修人员
Maintenance



签派员
Aircraft
Dispatcher



乘务员
Flight
Attendant

➤ 由政府驱动转变为需求驱动

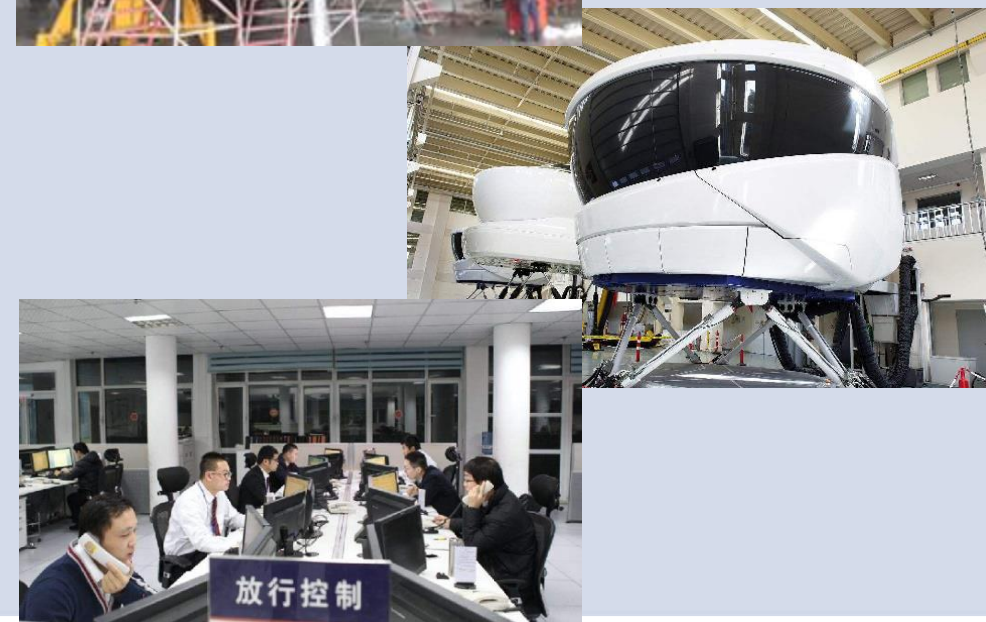
From government-driven to demand-driven

➤ 坚决破除不合时宜的思维方式

Eliminate outdated ways of thinking

➤ 建立长效机制，创造良好的发展环境

Establish long-term mechanism, create good development environment



积极参与国际规则标准制定：

Participate in the formulation of international rules and standards

- 电子执照(Electronic pilot license)
- 无人机管理 (UAS Management)
- 高高原运行 (Operation at high Elevation AIRDROMES)

提升对国际工作的支撑力度：

Enhance support for international task

- 整合专家队伍 (Integrate expert team)
- 加大基础研究 (Enhance basic research)
-





共同促进民航的安全发展，
为全球航空业的繁荣安全做出贡献。

Promote the safe development of global civil aviation.