CHINA SUMMARY

for   COSCAP-NA - 4th MC Meeting

XUE Shijun, Flight Standards Department of CAAC

April 19, 2019

TOPICS:

✈USOAP Related Information
✈Update on the Operational Safety and Continued Airworthiness Area
✈Challenges

✈ USOAP Related Information

→ **Above World Average, but:**

   ↘ There are rooms for improvement
- AIG

   ↘ More resource required for
- ORG
- PEL
- ANS
- AGA

EI by Area
China versus World

Area	EI (%)
LEG	80.95
ORG	91.67
PEL	98.72
OPS	86.78
AIR	87.7
AIG	69.23
ANS	88.1
AGA	88.96

LEG: legislation **ORG**: organization **PEL**: personal license/licensing **OPS**: operations specifications **AIR**: aircraft incident report **AIG**: accident investigation **ANS**: air navigation service/system **AGA**: aerodrome, air routes and ground aids

✈**Update on the Operational Safety and Continued Airworthiness Area**
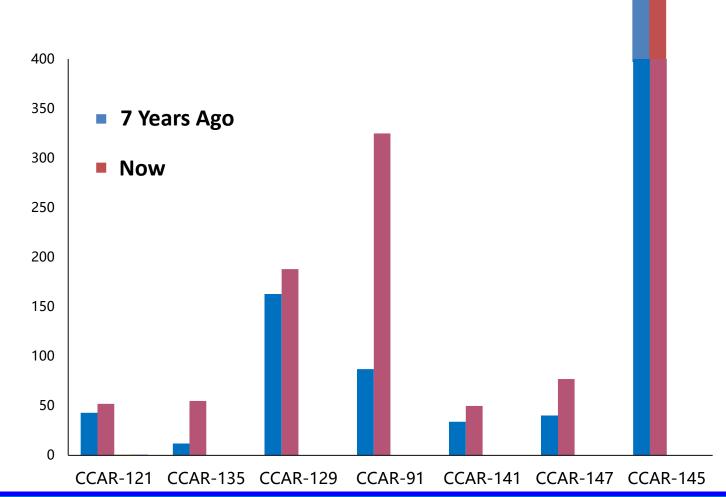
→**Fleet Grows in Past 7 Years**

Transport Airplane

3433

1732

GA Aircraft

2984

1154

Update on the Operational Safety and Continued Airworthiness Area

→ **Industries Grows in Past 7 Years**

↘ **CCAR-121 Operator**
- 43→52

↘ **CCAR-135 Operator**
- 12→55

↘ **CCAR-129 Foreign Operator**
- 163→188

↘ **CCAR-91 Operator**
- 87→325

↘ **CCAR-141 Pilot School**
- 34→50

↘ **CCAR-147 Maint. Training Org.**
- 40→77

↘ **CCAR-145 Maint. Organization**
- 726→912

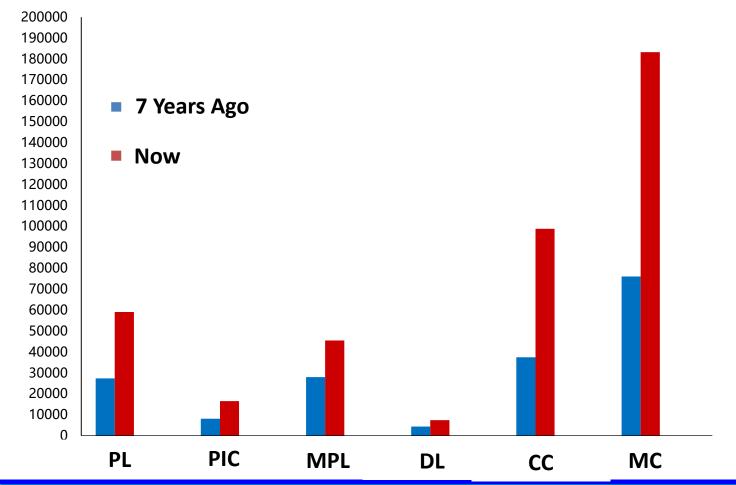# Update on the Operational Safety and Continued Airworthiness Area

Aviation Population Grows in Past 7 Years

- **Pilot License (PL)**
  - 27396 → 59064
- **Airline PIC (PIC)**
  - 8112 → 16546
- **Maint. Personnel License (MPL)**
  - 28002 → 45523
- **Dispatcher License (DL)**
  - 4316 → 7438
- **Cabin Crew (CC)**
  - 37435 → 98873
- **Medical Certificate (MC)**
  - 76097 → 183295
- **Certificate for UAS**
  - 0 → 28000

Legend: ■ 7 Years Ago ■ Now

Chart categories: PL, PIC, MPL, DL, CC, MC

Update on the Operational Safety and Continued Airworthiness Area

→**New Growing Area**

↘ General Aviation

- Aviation more than just for traditional transportation

↘ Unmanned Aviation System

- Revolutions to traditional aviation

Update on the Operational Safety and Continued Airworthiness Area

→**New Growing Area**

    ↘ Aircraft Manufacturing

        • State of Operation + State of Design

Challenges

→ Challenges to CAAC

↘ 2 Unbalance

Industries Grows

Authority Resources

Industries expectation

Authority Efficiency

Challenges

Challenges to Industries

↘ 2 Unbalance

Growing Speed

Professional Personnel

Resources Supply

✈ Challenges

→ **Solution 1：**

↘ Initiate industries to
- Adopt New Technologies
- Building Safety Cultures

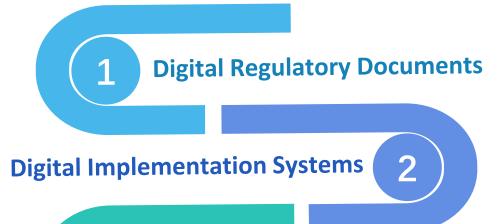PBN ≈100%

ADS-B OUT 96.7%

HUD 20%

EFB ＞50%

✈ Challenges

→ **Solution 2:**

↘ CAAC Revolutions

- Rely on Industry own system
- Going digital management (e.g. FSOP)
- Oversight based on Big Data Analysis

FSOP Cloud

1 **Digital Regulatory Documents**

Digital Implementation Systems **2**

3 **Digital Certificates/Licenses**

谢谢！

Thank you for your attention!