Development Policies of General Aviation during the 13th Five-Year Plan Period

-- Implement “two Opinions”

Guiding Opinions for Promoting Development of General Aviation Industry AND

Opinions for Further Deepening Civil Aviation Reform

General Aviation Division,
Department of Air Transport, CAAC
Kejia Shang

December 2016
REPORT

I. Overview of General Aviation of China

II. Industry Development Policies during the 13th Five-Year Plan Period

III. Recent Major Tasks
I. Overview of General Aviation

- Definition
- Usage
- Current Status
I. Overview of General Aviation

(1) Definition

**General aviation** refers to using civil aviation aircraft to carry out civil aviation activities except public aviation transportation. It includes flight operations in industry, agriculture, forestry, fishery, and construction, as well as flights activities of medical and health, disaster relief, weather detection, ocean monitoring, scientific experiment, education and training, culture and sports, etc..

- *Civil Aviation Law 1995*

**Civil Aviation** refers to using civil aviation aircraft to carry out civil aviation activities except public aviation transportation

- Modified *Civil Aviation Law* (Exposure Draft)
## I. Overview of General Aviation

### (2) Usage

<table>
<thead>
<tr>
<th>Commercial and paid general aviation</th>
<th>Scheduled transportation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Air operations</td>
</tr>
<tr>
<td></td>
<td>Aviation consumption</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>scheduled</th>
<th>Chartered</th>
<th>Petroleum service (searching and rescue)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scheduled</td>
<td>Aerial forestry patrol (personnel transport)</td>
<td>Electric operation (personnel transport)</td>
</tr>
<tr>
<td>Scheduled</td>
<td>Helicopter pilotage</td>
<td>Petroleum service (personnel and material transport)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Commercial and paid general aviation</th>
<th>Air operations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerial advertisement</td>
<td>Aerial television and film-making</td>
</tr>
<tr>
<td>Aerial prospecting</td>
<td>Aerial forest fire-protection</td>
</tr>
<tr>
<td>Urban firefighting</td>
<td>Scientific experiment</td>
</tr>
<tr>
<td>Electric operation</td>
<td>Dispersing by aircraft</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Aviation consumption</th>
<th>Aerial sightseeing</th>
<th>Personal entertainment flying</th>
<th>Aerial performance flight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sky diving service</td>
<td>License training</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Source:** Provisions of General Aviation License Administration (CCAR290)
I. Overview of General Aviation

(2) Usage

Source: Provisions of Non-commercial General Aviation Registration Management (CCAR285)
I. Overview of General Aviation

(4) Current Development of General Aviation in China (the 12th Five-Year Plan Period)

- 281 enterprises, with a growth of 22.9%
- 1,904 airplanes with a growth of 12.9%
- 70 airports, and about 250 temporary airstrips
- 24,000 commercial pilot certificates, 3,000 private pilot certificates with a growth of 14.5% and 20% respectively
- 779,000 flight hours, a growth of 11.5%
I. Overview of General Aviation

II. Industry Development Policies during the 13th Five-Year Plan Period

III. Recent Major Tasks
II. Industry Development Policies during the 13th Five-Year Plan Period

Guiding Opinions for Promoting Development of General Aviation Industry (GBF No. 38 [2016])

Opinions for Further Deepening Civil Aviation Reform (MHF No. 40 [2016])
II. Industry Development Policies during the 13th Five-Year Plan Period

- Guiding Opinions for Promoting Development of General Aviation Industry
- Opinions for Further Deepening Civil Aviation Reform
II. Industry Development Policies during the 13th Five-Year Plan Period

Guiding Opinions for Promoting Development of General Aviation Industry

The Opinions highlights problems of general aviation and proposes five key missions:

1. Cultivate general aviation market
2. Accelerate general aviation airport construction
3. Promote industrial transformation and upgrading
4. Enlarge opened area of low-altitude airspace
5. Strengthen full-range safety supervision
II. Industry Development Policies during the 13th Five-Year Plan Period

Guiding Opinions for Promoting Development of General Aviation Industry

<table>
<thead>
<tr>
<th>Significance</th>
<th>Breakthrough and innovation</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Point out direction for reform of supplier of general aviation</td>
<td>• Objective orientation</td>
</tr>
<tr>
<td>• Draw blueprint for paralleled development of transportation aviation and general aviation</td>
<td>• Problem orientation</td>
</tr>
<tr>
<td>• Offer policy support to cultivate general aviation a new development power of national economy</td>
<td>• Powerful measures</td>
</tr>
<tr>
<td></td>
<td>• Clear responsibilities</td>
</tr>
<tr>
<td></td>
<td>• Standard procedures</td>
</tr>
</tbody>
</table>
II. Industry Development Policies during the 13th Five-Year Plan Period

Opinions for Further Deepening Civil Aviation Reform

Background

Civil aviation strategy and two stages during the 13th Five-Year Plan Period
II. Industry Development Policies during the 13th Five-Year Plan Period

I. Guiding ideas

- Carry out “one idea”
  - Develop for livelihood of people

II. General ideas

- Promote “paralleled development”
  - Public transportation aviation
  - General aviation

III. Complete “three networks”

- Airport network
- Air route network
- Operation information supervision network

IV. Make up “four weaknesses”

- Air space resources
- Service quality of civil aviation
- Airworthiness authorization
- Emergency disposal

Opinions for Further Deepening Civil Aviation
I. Overview of General Aviation

II. Industry Development Policies during the 13th Five-Year Plan Period

III. Recent Major Tasks
III. Recent Major Tasks

(1) Five Missions and Work Arrangement of *Guiding Opinions*

(2) Five Missions and Work Arrangement of “Improving General Aviation Service Ability” of *Reform Opinions*
### III. Recent Major Tasks

(1) Implement work arrangement of *Guiding Opinions*

<table>
<thead>
<tr>
<th>1. Cultivate general aviation market</th>
<th>2. Accelerate general aviation market construction</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Strengthen transport service ability</strong></td>
<td><strong>Classified management</strong></td>
</tr>
<tr>
<td>• Commuting traffic</td>
<td>• Seadrome</td>
</tr>
<tr>
<td>• Business flight</td>
<td>• Helicopter platform</td>
</tr>
<tr>
<td><strong>Enlarge public-welfare service, production and application</strong></td>
<td><strong>Prepare construction standards</strong></td>
</tr>
<tr>
<td>• Green channel for emergency rescue</td>
<td>• Seadrome</td>
</tr>
<tr>
<td>• Encourage aerial ambulance and doctor service business</td>
<td>• Helicopter platform</td>
</tr>
<tr>
<td><strong>Encourage aerial consumption</strong></td>
<td></td>
</tr>
<tr>
<td>• Consumption-based general aviation activities</td>
<td></td>
</tr>
<tr>
<td>• “Internet+ general aviation”</td>
<td></td>
</tr>
<tr>
<td>• “General aviation + creative economy”</td>
<td></td>
</tr>
</tbody>
</table>
III. Recent Major Tasks

(1) Implement work arrangement of *Guiding Opinions*

3. Promote industry transformation and upgrading

4. Enlarge opened area of low-altitude airspace

5. Strengthen full-range safety supervision

- Distinguish from transportation aviation
- Classification, legislation promotion, regulation implementation
- Strengthen business operation supervision
  - Standardize market entry and exit system
  - Build professional supervision team
  - Establish integrity system

- Enlarge commissioning scope
- Delegate review and approval authority according to classifications

Low-altitude airspace management reform

Flight service guarantee system
III. Recent Major Tasks

(1) Implement work arrangement of *Guiding Opinions*

- CAAC organized the second plenmery session of general aviation leadership team on August 12
- [Labor Division Plan for Implementing Key Missions of Guiding Opinions (MHF No. 95 [2016])]({#})
- 29 work contents, 59 specific measures, identified time nodes, leading and coordination with divisions and bureaus.
III. Recent Major Tasks

1) Implement work arrangement of *Guiding Opinions*

   Actively coordinate with other ministries to promote implementation jointly
Opinions for Further Deepening Civil Aviation

Objective of reform of general aviation

- Innovate development policies for general aviation
- Establish safety supervision and market supervision system for general aviation, which is distinguished from transportation aviation
- Establish general aviation service system preliminarily with complete functions, standard service, and broad range of business

III. Recent Major Tasks

Mission of reform

1. Improve safety supervision ability
2. Improve hub airport distribution function
3. Improve operation information supervisor ability
4. Improve airspace resource protection ability
5. Improve civil aviation service quality
6. Improve airworthiness authorization ability
7. Improve emergency disposal ability
8. Improve general aviation service ability
9. Improve civil aviation administrative ability
10. Improve civil aviation administrative ability

Establish safety supervision and market supervision system for general aviation, which is distinguished from transportation aviation
Establish general aviation service system preliminarily with complete functions, standard service, and broad range of business
III. Recent Major Tasks

(2) Five Missions and Major Contents of “Improving General Aviation Service Ability” of Reform Opinions

Five Missions

1. Innovate general aviation development policies
2. Improve general aviation guarantee ability
3. Improve general aviation operation environment
4. Expand general aviation service fields
5. Improve general aviation supervision mode
Build Effective Pilots to Drive Overall Development

General Aviation Pilot Projects of CAAC

• Short-distance transport of general aviation
• General aviation entertainment and consumption
• Subsidy for pilot training
• UAV test base
• Low-altitude airspace supervision and service of general aviation
• General aviation aerial ambulance and doctor service
• General aviation management service platform construction
• General aviation management reform (economy, safety, operation, and airport management)
Thank You!