



Federal Aviation
Administration

Introduction to Revision J of FAA Order 8130.2, *Airworthiness of Aircraft*

By: Airworthiness Certification Section, AIR-113

Date: Summer 2017



Objectives

- **Highlight that this is a major revision**
 - Stakeholders will need time to get comfortable with this revision
- **Provide background on the purpose of this revision**
- **Highlight major changes**
- **Provide recommendations for getting to know this order**

Background

- **Objective of this revision:**
 - Make the order easier to read, understand, & apply
 - Not intended as a major revision to policy
- **Removed:**
 - Duplication
 - Blank forms
 - Guidance material
- **Extensive revisions to text for clarity**
- **Incorporates policy memos/clarifications, notices, & directive feedback dispositions since publication of Rev H**



Defines Common Steps

1. Review application
2. Review FAA registration info
3. Identify potential safety hazards -- *the objective of aircraft familiarization*
4. Review aircraft records
5. Inspect aircraft
6. Document reviews & inspections (8100-1)
7. Issue airworthiness certificate or denial
8. Forward records to AFS-750

Desk

At aircraft

Re-Organized Order

- **Policies & procedures for**
 - Common steps (see previous slide) in chapter 2
 - Unique classification, category, & purpose-specifics in other chapters
- **No repetition of common policies & procedures**
- **Benefits**
 - Easy to quickly grasp common procedures – 6 pages
 - Also highlights what is unique (next slide)
 - Enables a quicker/greater understanding of airworthiness for new inspectors & designees

What's Unique About...

Certificate	Unique Elements
Special Airworthiness Certificates	Operating Limitations
Experimental Certificates	Program Letters
Special LSA	Manufacturer's SOC
Experimental Amateur Built	For education or recreation Eligibility Statement, Form 8130-12 Major portion determination
Imports & Exports	Export C of A Bilateral Agreements

Key Changes: Original Certification

- An aircraft that has never left the control of the PC or TC holder that manufactured it
- An aircraft that has never held a U.S. or foreign export C of A or airworthiness certificate, except for an aircraft that has only held an SFP
- An aircraft involved in a certification project such as developing a TC or STC, including issuing a standard airworthiness certificate after the certification project is completed
- The issuance of a provisional airworthiness certificate under § 21.225 for a provisional amendment to a TC

Key Changes (cont.)

- **Incorporates notice for PDF-fillable airworthiness certificates**
- **Adds new definitions of commonly used terms**
- **Clarifies that**
 - § 21.183(c) applies only to new import aircraft
 - § 21.185(b) applies to issuance of recurrent airworthiness certificates for restricted category aircraft



Key Changes (cont.)

- **Removes requirement for a TC for issuing an SFP for production flight testing**
- **Updates operating limitations**
 - Incorporates recently coordinated/issued operating limitations for particular aircraft models
 - new operating limitation to support the recent enhanced flight vision system (EFVS) final rule
 - Job aid for drafting operating limitations has been update & is with the order in the Regulatory & Guidance Library (RGL)



Key Changes (cont.)

- **Clarifies requirements for reviewing & submitting certification files**
- **Rewritten export/import chapters**
- **Clarifies requirements for an export CofA for imported aircraft**
- **Removes policies & procedures**
 - Covered by FAA Order 8130.21 (tags for articles)
 - For issuing an airworthiness certificate for new aircraft manufactured under § 21.6(b)
- **Much, much, more...**

Overall Outcomes

- **Reduction of approximately 120 pages from Revision H**
- **No reduction in policy/procedures/content**
- **Nearly every paragraph effected**
- **Reflects *extensive* review & comment**
 - Very positive feedback from recent informal reviews



Recommendations

- **Read--**
 - The whole order
 - Common procedures in chapter 2 multiple times
 - **Cross references carefully**
- **Recognize that the procedures for issuing any given certificate are spread across multiple chapters**
 - For example, procedures for issuing an amateur-built certificate include:

Chapter	Procedures
2	Common for all airworthiness certificates
4, sec. 1	Common for all specials: operating limitations
4, sec. 2	Common for all experimentals: program letters
14	Unique for amateur-built

Job Aid

- **The job aid for drafting operating limitations under appendix D to the order was updated for this revision**
- **The order requires you to verify that the operating limitations generated with the job aid meet the order**
- **Note the job aid is an HTML file that was designed to work with Google Chrome**



Directive Feedback

- **Don't hesitate to provide directive feedback**
- **Directive feedback webpage:**
<https://ksn2.faa.gov/avs/dfs/Pages/Home.aspx>
- **We address each one**



Takeaways

- Read new revision
- Provide feedback
- If in doubt, ask for help



End

