

## **Bonanza Formation Qualifications**

This document is designed to establish qualification criteria for the advancement of a pilot in his progression through the skill levels of formation training. It will also help the trainee understand maneuvers that he may need more practice in prior to advancing to a higher level. It is understood that the foundation of all levels of training is safety. All maneuvers must be performed with absolute safety to all aircraft and personnel in the formation and on the ground.

### **Level 1: Basic B2OSH**

At this basic level the trainee will be capable of flying in the b2osh formation flight. The trainee will be able to:

- Understand formation safety requirements
- Make wing take offs
- Make gentle turns in fingertip and route formation
- Make wing landings

### **Level 2: 2-Ship Qualified**

At this level the trainee will become qualified in all aspects of 2-ship formation flying. It is essential to have these skills prior to advancing to 4-ship. Skills required at this level in both lead and wing positions:

- Be able to conduct a complete briefing
- Know all visual signals
- Know proper radio procedure
- Conduct ground operations
- Wing and lead takeoffs
- Join up after single ship takeoff
- Route formation with gentle turns
- Fingertip, close trail and extended trail with at least 15 degrees of pitch and at least 30 degrees of bank
- Recognize the need and method to break out of formation
- Breaks and rejoins
- Recognize the need to overshoot and be able to do so
- Cross-unders both ways
- Lead into traffic pattern and deal with other traffic and unusual situations
- Conduct a thorough debriefing

### **Level 3: Basic 4-Ship**

At this level the trainee will be able to safely conduct 4 ship flights in any position other than lead. This is a level that will allow a trainee to practice all 4 ship maneuvers safely while increasing his proficiency. These skills are required in positions 2, 3 and 4:

- Proper 4-ship radio procedures
- Taxi
- Runway lineup and takeoff

- Join up after takeoff
- Cross-unders
- Station keeping in all configurations and transitions (finger, diamond, close and extended trail, echelon, etc.)
- Breaks and rejoins, including overshoots

**Level 4: FFI Wing**

The culmination of civilian formation flying is the FFI Program. FFI Wing check ride performed by an FFI check pilot. Refer to the FFI Manual for specific requirements. A pilot at this level is expected to perform all 4-ship maneuvers on the wing at an airshow level.

**Level 5: FFI Lead**

Refer to the FFI Manual for specific requirements. A pilot at this level is expected to be able to lead all 4-ship maneuvers at an airshow level.