



Aerobatic Flying

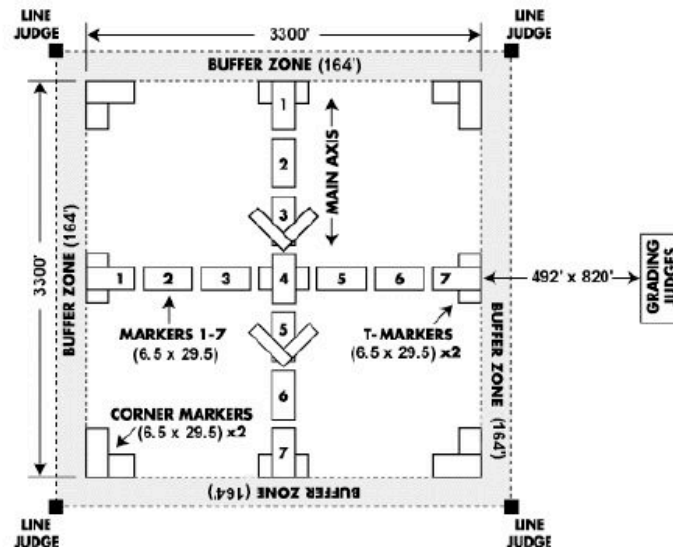
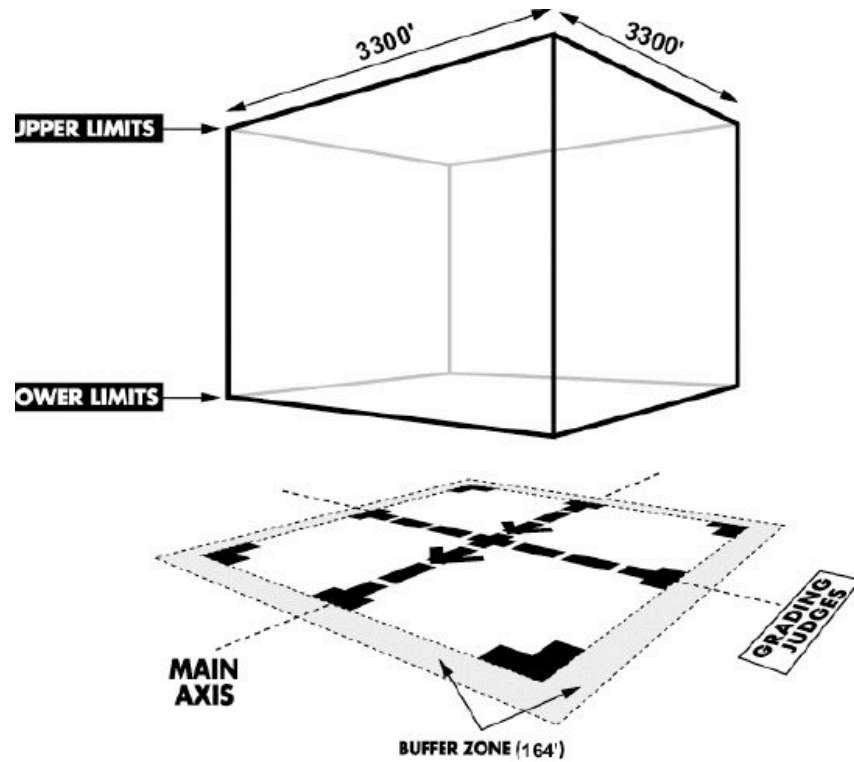
What is **not** aerobatics:

- ❖ Not barnstormers
- ❖ Not daredevils
- ❖ Not stunt pilots

What is aerobatics:

- ✓ It is an Olympic recognized sport (Governed by the Federation of Aeronautic International, FAI)
- ✓ International Aerobatic Club, IAC, is in charge of competition in North America.
- ✓ It is dangerous as the pilot makes it
- ✓ Follows safety religiously
- ✓ Precision, Proficiency, and Control of an aircraft
- ✓ **Fun**

The Competition Box



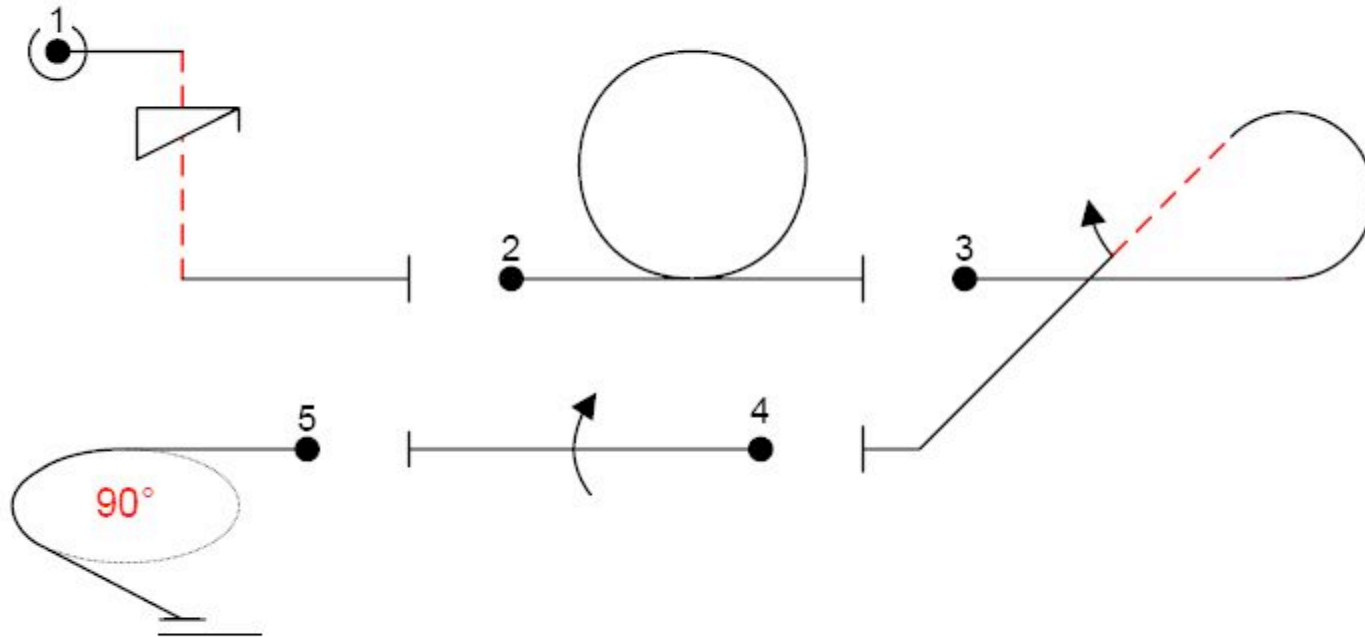
The Five Competitive Categories

In the order of difficulties

1. Primary
2. Sportsmen (more P.C...or Sportswomen)
3. Intermediate
4. Advanced
5. Unlimited (the holy grail of aerobatics)

Your progression in the categories is only limited by your physical fitness (the G-loading) and money (the \$\$\$).

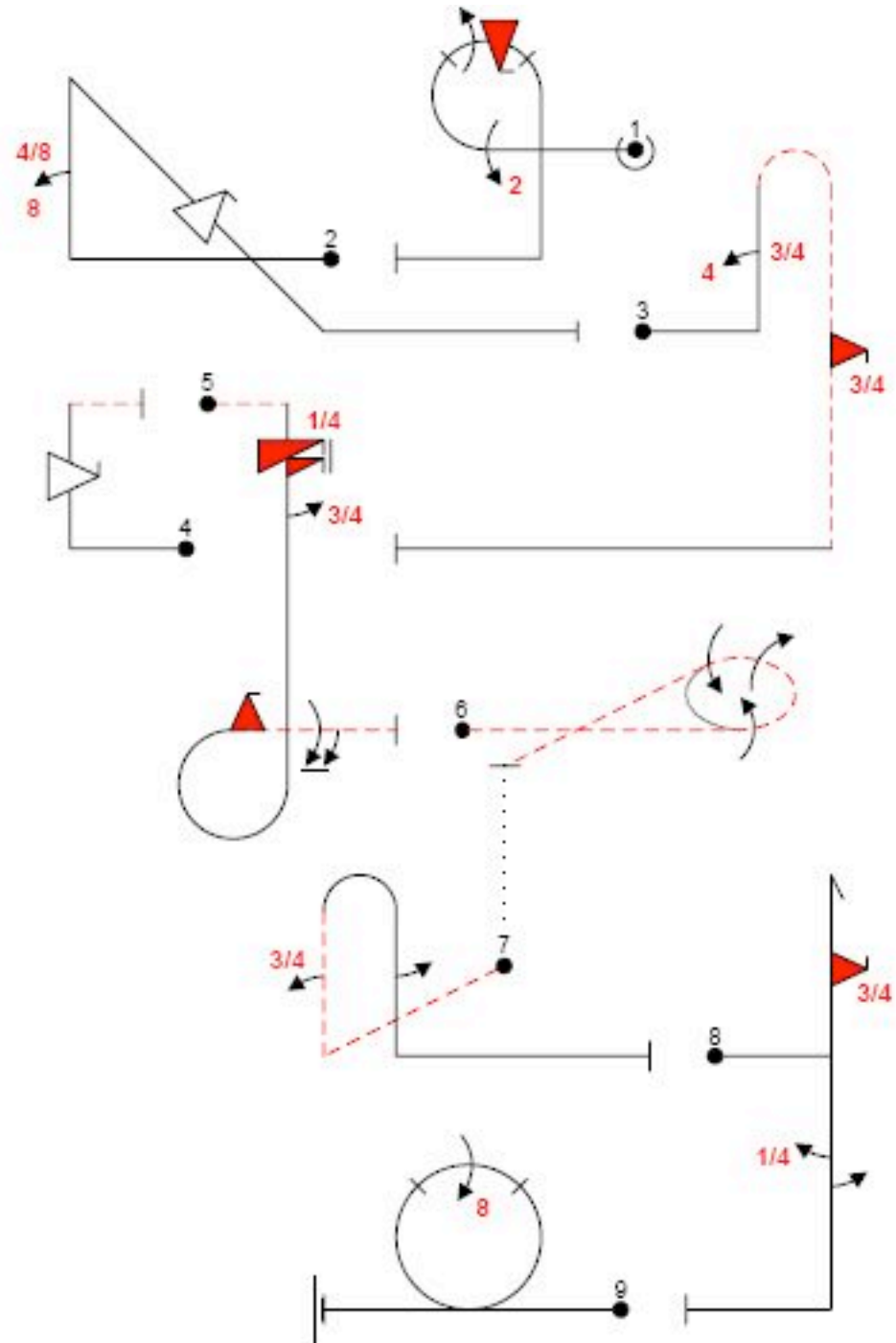
The Figures



Primary Sequence:

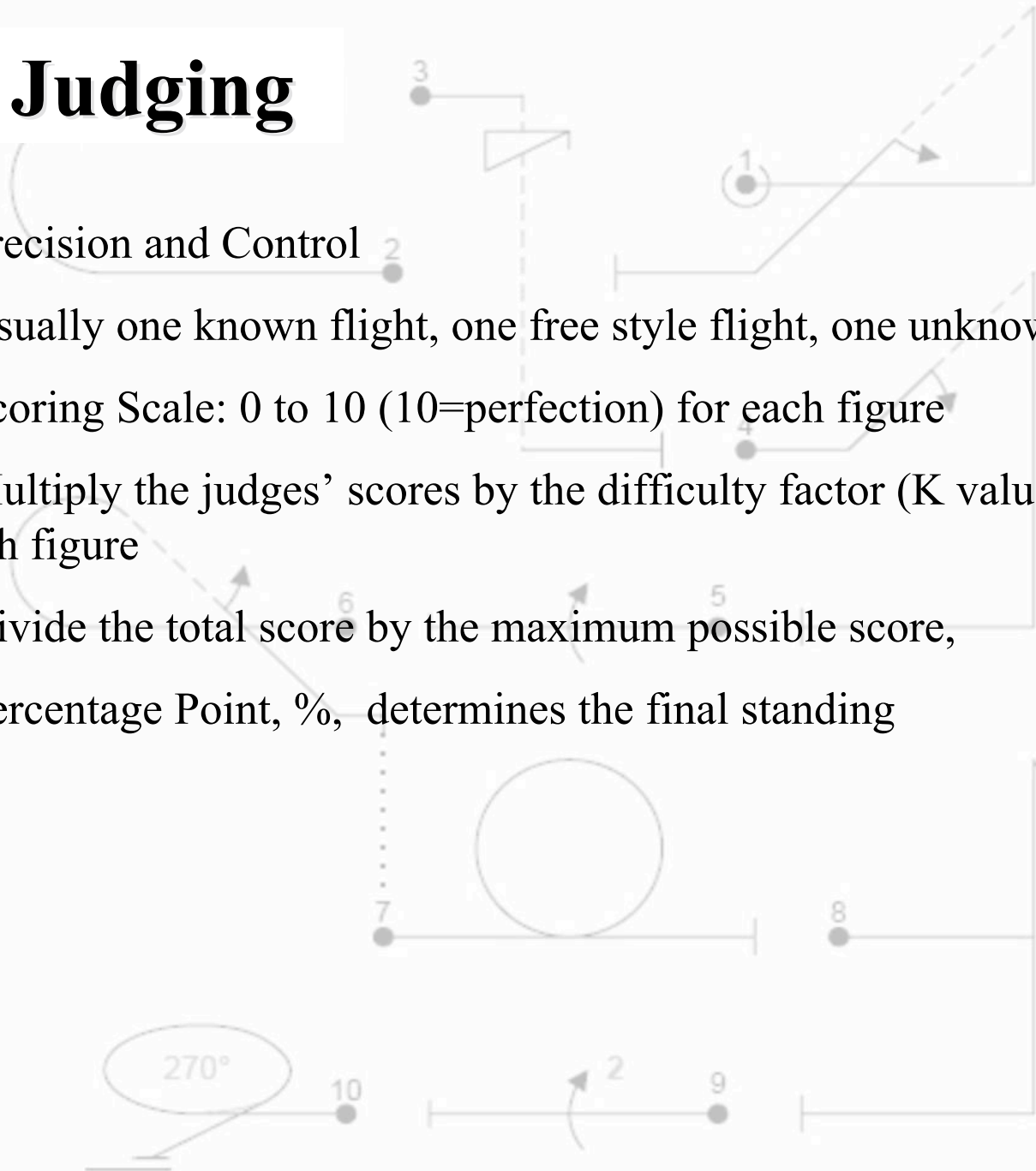
1. Spin, Difficulty Value (K=15)
 2. Loop (K=10)
 3. Half-Cuban (K=14)
 4. Slow Roll (K=10)
 5. 90 Degrees Steep Turn (K=3)
- Overall Presentation, (K=3)

The Unlimited Sequence



The Judging

- Precision and Control
- Usually one known flight, one free style flight, one unknown flight
- Scoring Scale: 0 to 10 (10=perfection) for each figure
- Multiply the judges' scores by the difficulty factor (K values) for each figure
- Divide the total score by the maximum possible score,
- Percentage Point, %, determines the final standing



The Collegiate Cup Championship

- Open to all undergraduate students with a pilot license and an IAC membership
- Need at least three pilots from the same school to fly in total of three regional and/or national competitions
- One pilot to fly the sportsmen (sportswomen) or higher categories
- A lots of money (2006 estimates)
 - \$200 aircraft rental per contest
 - \$100 entry fee per contest
 - \$300 hotel/food/transport per contest
 - \$2000 or more for flying lessons for primary (not so bad if you spread out your training one lesson per month)
 - Additional \$2000 to training for sportsmen/sportswomen
- \$1000 Aerobatic Scholarship available