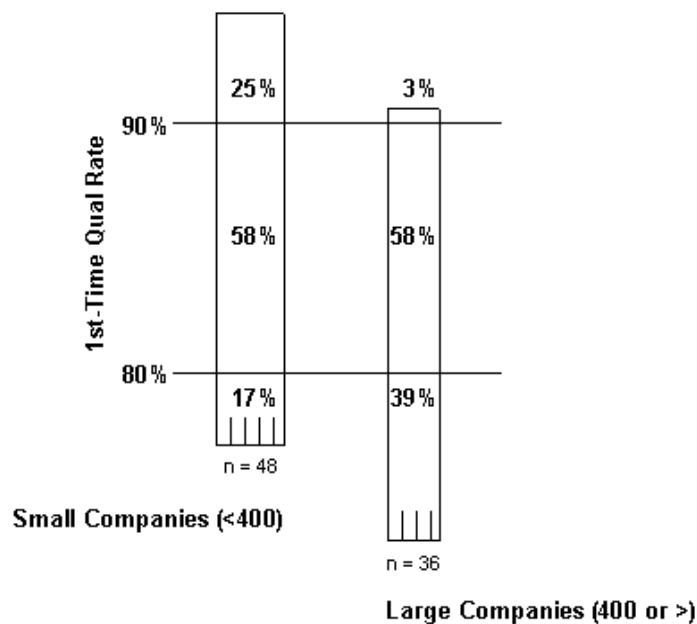


## Small Companies Shoot Better than Large Companies

Ref: (a) Parris Island Rifle Range Statistics FY05  
 (b) Parris Island Rifle Range Statistics FY06

1. **Smaller companies have a higher probability of shooting well compared with larger companies.** Table 1 shows 1st-time rifle range qual rates for the 84 male recruit companies that shot FY05-FY06. 48 companies had less than 400 recruits. 36 companies had 400 or more recruits.
  - a. 1 in 4 small companies shot above 90%.
  - b. Large companies were more than *twice as likely* to shoot poorly.
  - c. Both large and small companies have the same probability of shooting 80-90%. The average male qual rate FY01-FY05 was 84.51%
  - d. Only one large company shot above 90%. This company shot consistent above-average rates for two years, 5 of the last 6 cycles.

**Table 1. Percentage of Male Companies Qualifying at Given Qual Rates during FY05-FY06.**



Note: All data is from Refs (a) and (b), *Parris Island Rifle Range Statistics FY05 (and FY06)*.

2. Of the many variables that affect qual rates, company size is the easiest to track and control. Range personnel should be able to tailor instruction, schedules, and support requirements to a standard company size. Higher qual rates translate to less unqs, which saves recruit training time and lost instructor-days.
3. **Recommendation.** RTR should standardize company size at **360**, waiverable to 400, to increase recruit marksmanship and save lost instructor-days.