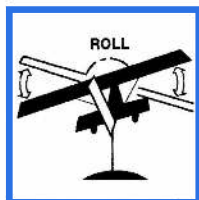


# Chapter 2 - Aircraft Systems

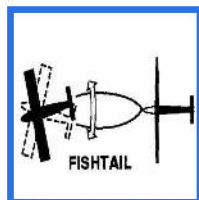
## Aerotow Launch Signals (in-flight)



Something wrong with the glider-  
Close Airbrakes



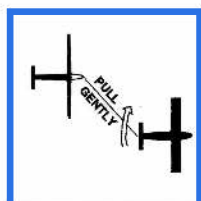
Release immediately



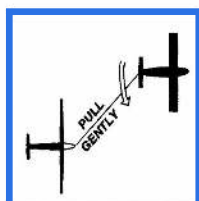
Towplane cannot release\*

!\* Part of the Test

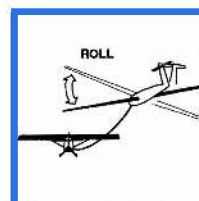
Signals from Towplane to the Glider



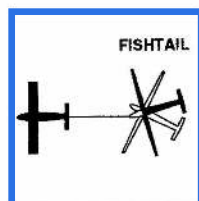
Towplane please turn right \*



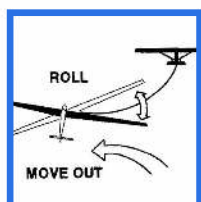
Towplane please turn left



Increase tow airspeed



Decrease tow airspeed \*

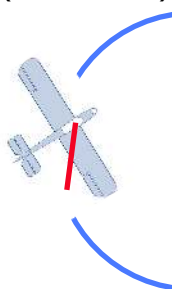


Glider cannot release \*

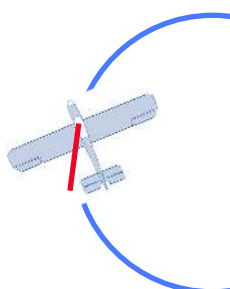
### Strength of a Towline:

Not less than 80% of max weight of the glider and not greater than twice operating weight unless safety links are used

Skidding (schleudern)



Slipping



### Glide ratio:

The ratio of forward motion to downward motion

Example:

$$\frac{23}{1} = \frac{6000 \text{ (ft/NM - forward)}}{x \text{ (ft/NM - downward)}}$$

1NM = 6.000 ft