

S.O.A.R. DON SMITH MEMORIAL TURKEY SHOOT

The contest consists of three rounds with an optional fourth round. Flight tasks are determined using a handicap system based on model type and pilot experience. Each flight score is normalized to the perfect score possible for that pilot in the round. There is a 100 point landing bonus.

The handicap applied in round two is based on model type. The handicap applied in round three is based on pilot experience. The pilot must determine the handicap factors applicable to his or her situation and then calculate the task time for each round. The 100 point maximum landing bonus is measured by using the landing tape. The use of a skeg reduces a pilot's landing score by half.

Round 1: The task for all pilots is 6 minutes.

Round 2: The 6 minute flight time is multiplied by a factor determined by 1 + **all** of the following applicable factors:

Model Class	Factor
• HLG/DLG glider	-0.4
• 1.5 – 2.0 meter wingspan (59.05 – 78.84 inches)	-0.2
• 2.0 – 3.0 meter wingspan (78.75 – 118.11 inches)	0
• Over 3.0 meter wingspan (118.12 inches and up)	+0.2
Construction	
• Built up wood (may include carbon on spar only)	-0.2
• Foam core sheeted in wood	0
• Bagged composite sheeting over foam	+0.2
• Hollow core molded construction (D-tube or full wing)	+0.4
Control system	
• 2 function (Rudder/elevator)	-0.2
• 3 function (Rudder/elevator/spoiler)	0
• More than 3 functions	+0.2

Round 3: The 6 minute flight time is multiplied by all round two factors plus two additional factors as determined by 1 + all Round 2 factors + the single highest applicable Pilot Experience Level + the single highest applicable Pilot Win Level taken from the following lists:

Pilot Experience Level	Factor
• Pilot is flying his or her first ever contest	-0.3
• Pilot has only competed on S.O.A.R. club contests	0
• Pilot has competed in out of state contests	+0.3
• Pilot has competed in a national championship	+0.5
• International contest (Visalia, Masters, Worlds)	+0.8

Pilot Win Level	Factor
• Pilot has won a club or regional contest	0
• Pilot has won a national championship (any category)	+0.8
• Pilot has won a world championship (any category)	+1.5

Round 4: This round is optional. See score sheet.

Don Smith was a S.O.A.R. member between 1991 and 2008. He devised these rules for a monthly club contest. They proved uniquely suitable and became the traditional format for the Turkey Shoot during his lifetime.

Pilot Name

Model



Donald Thal Smith (1942 – 2008)

	Base Task	x Multiplier	= Goal	Time Flown	Landing*
Round 1	6 minutes	1.0	6 minutes		
Round 2	6 minutes	(1.0 + TOTAL)			
	Model Class:				
	+ Construction:				
	+ Control System:				
	= TOTAL:				
Round 3	6 minutes	(1.0 + TOTAL)			
	Round 2 Total:				
	+ Experience Level:				
	+ Win Level:				
	= TOTAL:				

Round 4 (Optional):

Pilot may re-fly any one round using 8 minutes for the Base Task. First score is lost.

	Base Task	x Multiplier	= Goal	Time Flown	Landing*
Round Number	8 minutes	(As above)			

* Landing score reduced by half if skag or landing arrester used