

2024-1	Synopsis Revamp All Penalties		
Current Affected	Entire Chapter 13		
Rule(s)			
Proposed	1. Condense most penalties into two categories: "Minor" (boundary,		
Change	interruption, failure to signal, etc.) and "Major" (LOW and Jury		
_	Penalty). LOW calls in Primary/Sportsman and LOW-LOWs would still		
	zero the entire Performance.		
	2. Replace the fixed number of points per category with a single		
	percentage. Example: A Minor penalty might cost 10% of your possible		
	points for the flight, regardless of category.		
Proposer	"Failure to Prepare, "Interruption" penalties apply to infractions that don't		
Rationale	match the name such as illegal safety maneuvers, incorrect Free forms,		
	and invalid Mechanical Defects.		
	Section 13, "Penalties", has five sections covering almost two full pages.		
	zernen ze, zernene , nærne erenne er ennig annest til er pages.		
	The severity by category is not consistent:		
	• Failure to Prepare: 10 points for Primary and 100 points for Unlimited		
	(10x)		
	• Boundary Infringement: 5 points for Sportsman and 30 points for		
	Unlimited (6x)		
	• Interruption: 5 points for Primary and 90 points for Unlimited (18x)		
	 Jury Penalty: 25 points for Primary and 250 points for Unlimited 		
	(10x)		
	Boundary Infringement, Altitude, and Interruption penalties differ for		
	Glider vs Power. The most extreme example: an Interruption in Power		
	Unlimited is 90 points, or 23% of the ten-year average figure K for the		
	Knowns. In Glider Unlimited, the same infraction costs 70 points or 35%		
	of the ten-year average figure K.		
	The net result should much simpler, easier to understand, and easier to		
	remember. In addition to changes throughout the Rule Book, we would		
	need to rework the Chief Judge Penalty Forms and make some fairly		
	straightforward updates to JaSPer and IACCDB.		



2024-2	Synopsis Jury Decision Process		
Current Affected	None		
Rule(s)			
Proposed	(New): 31.3 Jury Decisions		
Change	(Moved from 31.5.8f) 31.3.1 At least three (3) Jury members are required to make a formal decision.		
	(New) 31.3.2 Concurrence of a majority of Contest Jury members		
	present and voting is required to make a decision. Unanimity is not required.		
	(New) 31.3.3 The Contest Jury should make decisions based on a		
	preponderance of evidence. Evidence may be from any source that the		
	Jury deems helpful and may be relied on to the degree the Jury		
	determines appropriate. The assessments and perspectives of Grading		
	Judges and the Chief Judge, as specified in this rule book, should be carefully considered.		
	(Moved from 31.5.9) 31.3.4 A decision of the Contest Jury is final and		
	may not be protested.		
	(Renumber existing 31.3 - 31.6)		
Proposer	A framework that provides a Jury with basic decision-making guidance		
Rationale	will benefit Jury members trying to come to fair resolutions as well as		
	contest participants involved in issues needing Jury action. The proposed		
	rules try to do this without trying to dictate every detail that might come		
	up in the myriad of situations that could arise. Although generally		
	applicable to protests, the same guidance should apply to Jury decisions		
	of any kind.		



hich the wing of Incidence relative condition, is exactly t the correct angle to		
of Incidence relative condition, is exactly		
of Incidence relative condition, is exactly		
t the correct angle to		
_		
does not match the		
s not pass through		
et vertical roll.		
s wings will		
constantly be parallel to the horizon.		
27.2 The Zero-lift Axis		
27.2.1 The aircraft's zero-lift axis is the attitude at which the wing		
produces no lift. It is a function of the wing's airfoil shape and Angle of		
Incidence relative to the fuselage.		
27.2.2 When an aircraft's flight path, in a zero-wind condition, is exactly		
90 degrees to the horizon, the wings are being held at the correct angle to		
produce no lift.		
Clarification: The longitudinal axis of some aircraft does not match the		
zero-lift axis. Aircraft types whose zero-lift axis does not pass through		
the tail will make a spiral with the tail during a perfect vertical roll.		
During a true vertical roll, in all aircraft, the aircraft's wings will		
constantly be parallel to the horizon. The definition of ZLA in the Rules is deficient. It's not just incidence,		
rfoil, or semi-		
n angle above the		
l axis) then is the		
whole concent went		
ZLA is an esoteric idea. We may be better off if the whole concept went away. Try to fix it, or perfume it, and it could get mind-numbingly		



2024-4	Synopsis Glider Presentation K Values		
Current Affected	34.16.1 Category Presentation coefficients for Glider Programs are as		
Rule(s)	follows:		
	Category Presentation K		
	a) Primary 10 K		
	b) Sportsman 15 K		
	c) Intermediate 15 K		
	d) Advanced 25 K (Known and Unknown)		
	35 K (Free)		
	e) Unlimited 25 K (Known and Unknown)		
	35 K (Free) 34.17.1(d)		
Proposed	34.16.1 Category Presentation coefficients for Glider Programs are as		
Change	follows:		
	Category Presentation K		
	a) Primary 10 K		
	b) Sportsman 15 K		
	c) Intermediate 15 K		
	d) Advanced 20 K (Known and Unknown)		
	35 K (Free)		
	e) Unlimited 25 K (Known and Unknown)		
	35 K (Free) 34.17.1(d)		
Proposer	The Advanced and Unlimited Presentation Ks should match the CIVA		
Rationale	"Positioning K" for Gliders. CIVA uses 20K for ADV and 25 for		
	UNL. Since there is no longer any distinction between programs for the		
	Positioning K in IAC Power or CIVA, we can drop that as well.		



Synopsis Revise Glider Presentations to be Same as for Power Categories		
34.16 Presentation		
34.16.1 Category Presentation coefficients for Glider Programs are as		
follows:		
Category Presentation K		
a) Primary 10 K		
b) Sportsman 15 K		
c) Intermediate 15 K		
d) Advanced 25 K (Known and Unknown)		
35 K (Free)		
e) Unlimited 25 K (Known and Unknown)		
35 K (Free)		
34.16 Presentation		
34.16.1 Category Presentation coefficients for Glider Programs are as		
follows:		
Category Presentation K		
a) Primary $\frac{10 \text{ K}}{5 \text{ K}}$		
b) Sportsman $\frac{15 \text{ K}}{10 \text{ K}}$ 10K		
c) Intermediate $\frac{15 \text{ K}}{20 \text{ K}} 20 \text{ K}$		
d) Advanced 25 K 30K (Known and Unknown)		
$\frac{35 \text{ K} (\text{Free})}{25 \text{ K} 40 \text{ K} (\text{Keyerrow and Halowerer})}$		
e) Unlimited 25 K 40K (Known and Unknown) 35 K (Free)		
Revise to be identical to Power categories. This will streamline and align		
glider presentation with power presentation coefficients. There is no need		
to have separate presentation coefficients for glider. This will also		
simplify the maintenance of JaSper.		
simping the manuchance of Jasper.		
I suspect the power presentation was updated at some point and the		
current glider presentation k-factors are old legacy values. This could be		
further simplified by removing 34.16 from the rulebook all together.		



2024-6	Synopsis Increase No-Boundaries Presentation K		
Current Affected	29.2 Presentation Coefficient		
Rule(s)	29.2.1 The Presentation "K" Factor increases with the difficulty of the		
	category:		
	Category Presentation K		
	a) Primary 5 K		
	b) Sportsman 10 K		
	c) Intermediate 20 K		
	d) Advanced 30 K		
	e) Unlimited 40 K		
Proposed	29.2 Presentation Coefficient		
Change	29.2.1 The Presentation "K" Factor increases with the difficulty of the		
	category:		
	Category Presentation K		
	a) Primary 5 K		
	b) Sportsman 10 K		
	c) Intermediate 20 K		
	d) Advanced 30 K		
	e) Unlimited 40 K		
	(New) 29.2.2 When the contest is run without boundary judges, the		
	presentation K factors for the contest are doubled.		
Proposer	Gives more teeth and importance to the presentation score when no		
Rationale	boundary judges set. Judges briefed that presentation k factors are		
	doubled for the contest giving box positioning importance. Despite		
	efforts to tell judges to significantly affect presentation scores in case of		
	bad positioning - some hesitate to lower the scores below 5 or 6. A		
	higher K factor would help across multiple judges to create a bit more of		
	a spread in those cases.		



2024-7	Synopsis Inverted Signaling		
Current Affected	14.4.4 If the first figure following Signaling begins in inverted flight,		
Rule(s)	Signaling must be performed in inverted flight and the competitor must		
	change the flight attitude from upright to inverted only by a half-roll		
	prior to the first wing dip.		
Proposed	14.4.4 If the first figure following Signaling begins in inverted flight,		
Change	Signaling must be performed in inverted flight and the competitor must		
	change the flight attitude from upright to inverted only by a half-roll		
	prior to the first wing dip. Performing the half roll after the wing dips is		
	not an added figure.		
Proposer	Improper signaling is a minor infraction comparable to a program		
Rationale	interruption. The Chief Judge will assign this penalty per 13.3. Also		
	applying an added-figure penalty (HZ on the next figure) is too onerous		
	for the error committed. This distinction should be clear in the rules to		
	allow judges and juries to apply consistent and fair penalties.		



2024-8	Synopsis Alternate to Inverted-Start Wing Wags			
Current Affected	14.4.4 If the first figure following Signaling begins in inverted flight,			
Rule(s)	Signaling must be performed in inverted flight and the competitor must			
	change the flight attitude from upright to inverted only by a half-roll			
	prior to the first wing dip.			
Proposed	14.4.4 If the first figure following Signaling begins in inverted flight,			
Change	Signaling must be performed in inverted flight and the competitor must			
	change the flight attitude from upright to inverted only by a half-roll			
	prior to the first wing dip. the first two wing dips may be conducted			
	upright. The 3rd wing dip and any additional signaling must be			
	performed in inverted flight and the competitor must change the flight			
	attitude from upright to inverted only by a half-roll prior to the final wing			
	dip.			
Proposer	Aircraft with slower roll rates or asymmetrical airfoils require a greater			
Rationale	level of effort to complete the inverted wing wags. Given that the wing			
	wags are only intended to signal to the judges the competitor is ready to			
	begin, why not limit the workload associated with that signaling. If the			
	BOD does not wish to adopt this for all competitions, I recommend we			
	allow this as an approved signaling method for gliders. This wag in			
	procedure is used at the world level and supports the slower roll rates and			
	asymmetric airfoils found in gliders.			



2024-9	Synopsis Recording of Signaling Penalties	
Current Affected	None	
Rule(s)		
Proposed	(Add new): 14.4.7 The Chief Judge shall assign a Signaling Penalty for	
Change	each Peformance start or restart that a competitor fails to signal, or when	
	signals do not conform to these rules.	
Proposer	The rules need to explicitly state that the Chief Judge is responsible for	
Rationale	recording signaling error penalties. Doing so is only inferred now.	



2024-10	Synopsis Flight Awards for Hors Concours	
Current Affected	33.1 Hors Concours Entrants	
Rule(s)	33.1.1 A competitor may compete without the intent of earning flight	
	medals or trophies. This is called an "Hors Concours" entry	
Proposed	33.1 Hors Concours Entrants	
Change	33.1.1 A competitor may compete without the intent of earning flight	
	medals, or trophies or awards. This is called an "Hors Concours" entry.	
Proposer	A first-time Sportsman competitor who chose to enter as Hors Concours	
Rationale	could nonetheless have the best score in the category. It doesn't seem	
	appropriate for a HC competitor to be eligible for any awards.	



2024-11	Synopsis	Deductions for Connected Rolls - Adopted CIVA Rules Change	
Current Affected	27.11.2 If the pause between the roll and Looping Line is substantially		
Rule(s)	more than necessary, deduct at least one (1) point.		
Proposed	27.11.2 If the pause between the roll and Looping Line is substantially		
Change	more than necessary, deduct at least one (1) four (4) points.		
Proposer	Matches CIVA change implemented for 2023. Proposed for discussion		
Rationale	towards whether to similarly revise IAC rules, not as an endorsement.		



2024-12	Synopsis	Deductions for Rolling Turns - Adopted CIVA Rules Change	
Current Affected	28.6.8 The turn and the rolls must finish at the exact same time. If the		
Rule(s)	turn and rolls do not finish at the same time, deduct one (1) point for		
	every 5 degrees of roll remaining at the completion of the turn, or turn		
	remaining at the completion of the roll.		
Proposed	28.6.8 The turn and the rolls must finish at the exact same time. If the		
Change	turn and rolls do not finish at the same time, deduct one (1) point for		
	every 5 degrees of roll remaining at the completion of the turn, or turn		
	remaining at the completion of the roll. If more than 45° of roll is flown		
	on the exit line of a rolling turn, mark the figure HZ.		
Proposer	Matches CIV	A change implemented for 2023. Proposed for discussion	
Rationale	towards whet	her to similarly revise IAC rules, not as an endorsement.	



2024-13	Synopsis Deductions for Tailslides - Adopted CIVA Rules Change	Synopsis
Current Affected	27.11.28.9.3 The backwards slide begins when the aircraft ceases	27.11.28.9.3
Rule(s)	upward motion. The aircraft must slide backwards at least one-half of the	upward motio
	fuselage length. If it fails to do so, mark the figure HZ.	fuselage lengt
Proposed	28.9.3 The backwards slide begins when the aircraft ceases upward	
Change	motion. The aircraft must slide backwards at least one-half of the	
	fuselage length. If it fails to do so, mark the figure HZ deduct four (4)	
	points.	points.
Proposer	Matches CIVA change implemented for 2023. Proposed for discussion	Matches CIVA
Rationale	towards whether to similarly revise IAC rules, not as an endorsement.	towards wheth



2024-14	Synopsis Add More Down Loops to UNL UNK - Adopted CIVA Rules Change		
Current Affected	37.2 Allowable Figures for Power Unknowns		
Rule(s)	37.2.12 Sub-Family 7.4 – Whole Loops		
	(For down loops, any roll(s) must be equivalent to a full roll at the		
	<i>bottom – Upright to inverted or inverted to upright not allowed)</i>		
Proposed	2 Allowable Figures for Power Unknowns		
Change	37.2.12 Sub-Family 7.4 – Whole Loops		
-	(For Unlimited only, also allow down loops that include roll(s) at the		
	bottom that total an equivalent to a half-roll, e.g. 7.4.2.3 and 7.4.2.4)		
Proposer	Matches CIVA change implemented for 2023. Proposed for discussion		
Rationale	towards whether to similarly revise IAC rules, not as an endorsement.		



2024-15	Synopsis Snap Rolls per Figure in UNL UNK - Adopted CIVA Rules Change		
Current Affected			
Current Affected	24 The Unknown Program 24.5 Restrictions		
Rule(s)	24.5. Restrictions 24.5.2 For all Categories:		
	6		
	a) There will not be more than one (1) snap roll (Family 9.9/9.10) per figure		
	figure.		
	24.6 Additional Restrictions by Category 24.6.2 Rolls are restricted as follows:		
	c) Unlimited		
	i. Maximum of 6 snap rolls, only 4 of which may be from the same sub-		
	Family (9.9, 9.10).		
	ii. A minimum of one snap roll must be a vertical climbing maneuver		
	(9.9.1, 9.9.6, 9.10.1, 9.10.6).		
	iii. Unlinked rolls are permitted, but only according to the following		
	table:		
Proposed	24 The Unknown Program		
Change	24.5 Restrictions		
chunge	24.5.2 For all Categories:		
	a) There will not be more than one (1) snap roll (Family 9.9/9.10) per		
	figure.		
	(Renumber existing b and c)		
	24.6 Additional Restrictions by Category		
	24.6.2 Rolls are restricted as follows:		
	a) Intermediate		
	(New) ii. There will not be more than one (1) snap roll (Family 9.9/9.10)		
	per figure.		
	b) Advanced		
	(New) iv. There will not be more than one (1) snap roll (Family 9.9/9.10)		
	per figure.		
	c) Unlimited		
	i. Maximum of 6 snap rolls, only 4 of which may be from the same sub-		
	Family (9.9, 9.10).		
	ii. A minimum of one snap roll must be a vertical climbing maneuver		
	(9.9.1, 9.9.6, 9.10.1, 9.10.6).		
	(New) iii. There will not be more than two (2) snap rolls (Family		
	9.9/9.10) per figure.		
	iii iv. Unlinked rolls are permitted, but only according to the following		
	table:		
Proposer	Matches CIVA change implemented for 2023. Proposed for discussion		
Rationale	towards whether to similarly revise IAC rules, not as an endorsement.		



2024-16	Synopsis	Delete Dual Seat Belts for Glider Unlimited	
Current Affected	34.7 Glider B	ackup Seat Belts	
Rule(s)	34.7.1 Dual s	34.7.1 Dual seat belts are only required in the Unlimited category. These	
	may share an attach point with the primary seat belt.		
Proposed	34.7 Glider B	ackup Seat Belts	
Change	34.7.1 Dual s	eat belts are only required in the Unlimited category. These	
	may share an	attach point with the primary seat belt.	
Proposer	We made a cl	nange to this last year because lots of gliders don't have dual	
Rationale	belts. This is	true with gliders flying Unlimited as well as	
	Advanced. T	he rule should simply be deleted.	



Current Affected Rule(s)	7 The Aerobatic Box 7 1 Description		
Rule(s)	7.1 Description		
(7.1 Description		
	7.1.1 Performances occur above a clearly marked area of 1,000 meters		
	(approximately 3,280 feet) square whose central point is the intersection		
	of the X and Y axes.		
	7.1.2 The Judging Line shall be placed between 150 meters		
	(approximately 500 feet)		
	13 Penalties		
	13.5 Altitude Limits		
	13.5.1 Competitors must obey the following altitude limits.		
	Category Lower Limit Upper Limit		
	a) Primary 1,500 feet 3,500 feet		
	b) Sportsman 1,500 feet 3,500 feet		
	c) Intermediate 1,200 feet 3,500 feet		
	d) Advanced 656 feet (200m) 3,609 feet (1100m)		
	e) Unlimited 328 feet (100m) 3,280 feet (1000m)		
Proposed	7 The Aerobatic Box		
Change	7.1 Description Lateral Limits		
	7.1.1 Performances occur above a clearly marked area of 1,000 meters		
	(approximately 3,280 feet) square whose central point is the intersection		
	of the X and Y axes.		
	7.1.2 The Judging Line shall be placed between 150 meters		
	(approximately 500 feet) (Mana 12.5 to new 7.2 Altitude negative remain in Charter 12)		
	(Move 13.5 to new 7.2 – Altitude penalties remain in Chapter 13) 13.5 7.2 Altitude Limits		
	13.5.1 7.2.1 Competitors must obey the following altitude limits.		
	<u>Category</u> <u>Lower Limit</u> <u>Upper Limit</u>		
	a) Primary 1,500 feet 3,500 feet		
	b) Sportsman 1,500 feet 3,500 feet		
	c) Intermediate 1,200 feet 3,500 feet		
	d) Advanced 656 feet (200m) 3,609 feet (1100m)		
	e) Unlimited 328 feet (100m) 3,280 feet (1000m)		
Proposer	Currently the box altitude limits are included in the Penalty chapter under		
Rationale	13.5.1. This information is not about penalties – Altitude penalties are		
	detailed in 13.5.6. Box descriptions should all be in the Aerobatic Box		
	Chapter 7 where all other features of the box are defined. This will help		
	users find that information more readily.		



2024-18	Synopsis Spin Entry Penalty Text	
Current Affected	28.24.4 If the aircraft does not stall or establish Autorotation, mark the	
Rule(s)	figure HZ.	
	Clarification: Competitors may use snap rolls or other techniques to	
	simulate a proper spin entry. Regardless of the entry technique, if the	
	judge believes the aircraft did not stall prior to spin autorotation, the	
	figure must be given a hard zero (HZ).	
Proposed	28.24.4 If the aircraft does not stall or establish Autorotation, mark the	
Change	figure HZ.	
	Clarification: Competitors may use snap rolls or other techniques to	
	simulate a proper spin entry. Regardless of the entry technique, if the	
	judge believes the aircraft did not stall prior to spin autorotation, the	
	figure must be given a hard zero (HZ).	
Proposer	A spin requires a stall and complicating the clarification text with a	
Rationale	reference to autorotation muddles that key element.	



2024-19	Synopsis	Constant Altitude & No-Line-Between for Gliders		
Current Affected	34.19.1 45 degree Lines			
Rule(s)	34.19.1.1 In t	he case of gliders competing in Primary, Sportsman and		
		Glider or Power categories, all of the lines discussed in this		
		degree lines will be flown and judged as lines that are 60		
	•	the vertical attitude (30 degree lines).		
		tant Altitude Figures		
	•	ures which must be flown at a constant altitude in power		
	· · · · ·	hich includes Horizontal Single Lines (1.1.1.1 to 1.1.1.4)		
		nily 2 Turns and Rolling Turns, may be flown by the gliders		
		reasonable angle to the horizon. If the angle changes during		
Proposed		wever, a deduction will be applied. he case of gliders competing in Primary, Sportsman and		
Change		Glider or Power categories, all of the lines discussed in this		
Change	section as 45 degree lines will be flown and judged as lines that are 60			
	degrees from the vertical attitude (30 degree lines).			
	•	Clarification: In these categories for figures that end with a down 45		
	degree line, if any final line is seen regardless of length, the No Line			
	Between Figures downgrade does not apply.			
	34.19.3 Constant Altitude Figures			
	34.19.3.1 Fig	ures which must be flown at a constant altitude in power		
	-	hich includes Horizontal Single Lines (1.1.1.1 to 1.1.1.4)		
		nily 2 Turns and Rolling Turns, may be flown by the gliders		
		reasonable angle to the horizon. If the angle changes during		
		wever, a deduction will be applied.		
Proposer		he Glider rules say that the descending horizontal line		
Rationale		res can't be at, say, 30 degrees down. In that situation there		
	•	ell when a figure ending on a 45 down stops and the line-		
		s. Rule should be similar to when a square loop short exit		
	me does not	constitute no-line-between.		



2024-20	Synopsis	Drawings Conflicts on Program Forms
Current Affected	21.5 Resolvin	g Conflicts on Program Forms
Rule(s)	21.5.1 Confli	cts internal to Form A or L/R Scoresheet shall be resolved
	using the Are	sti Aerobatic Catalogue number.
	21.5.2 Confli	cts between Forms B and C, or L and R Scoresheets, shall
	be resolved u	sing the Form appropriate to the direction of flight.
Proposed	21.5 Resolvin	g Conflicts on Program Forms
Change	21.5.1 Conflicts internal to Form A or L/R Scoresheet shall be resolved	
	using the Aresti Aerobatic Catalogue number.	
	21.5.2 Confli	cts between the drawings on Forms B and C, or L and R
	Scoresheets, s	shall be resolved using the Form appropriate to the direction
	of flight that of	corresponds to the official wind.
Proposer	Existing word	ling is ambiguous. The judges refer to the drawings on the
Rationale	forms. The o	fficial wind is more directly related to the form to be used.



2024-21	Synopsis Spin Exit Reference to Wings Parallel		
Current Affected	28.24 Family 9.11-9.12 – Spins		
Rule(s)	· · · ·		
	28.24.8 After Autorotation stops, the aircraft must establish a vertical		
	down line with the wings parallel to the horizon. The pilot may achieve		
	this by:		
	a) Immediately after rotation stops, pitching to the vertical down line and simultaneously bringing the wings parallel to the horizon, or		
	b) A "blended" recovery in which Autorotation stops, the aircraft pitches		
	to the vertical down line, and the wings become parallel to the horizon		
	simultaneously.		
Proposed	28.24 Family 9.11-9.12 – Spins		
Change			
	28.24.8 After Autorotation stops, the aircraft must establish a vertical		
	down line with the wings span parallel to the horizon. The pilot may		
	achieve this by:		
	a) Immediately after rotation stops, pitching to the vertical down line and		
	simultaneously bringing the wings parallel to the horizon, or		
	b) A "blended" recovery in which Autorotation stops, the aircraft pitches		
	to the vertical down line, and the wings become parallel to the horizon		
	simultaneously.		
Proposer	The rule causes some confusion over whether "parallel" refers to the		
Rationale	span (wingtip-to-wingtip) or chord (leading edge to trailing edge).		



2024-22	Synopsis Horizontal Lines Constant Altitude	
Current Affected	27.5 Horizontal Lines	
Rule(s)	27.5.1 Horizontal lines are judged on flight path, not attitude.	
	Clarification: The attitude required to maintain level flight varies with	
	aircraft type and airspeed.	
Proposed	27.5 Horizontal Lines	
Change	27.5.1 Horizontal lines are flown at a constant altitude and judged on	
5	flight path, not attitude.	
	Clarification: The attitude required to maintain level flight varies with	
	aircraft type and airspeed.	
Proposer	Current rule only implies that horizontal lines must be at a constant	
Rationale	altitude – Should be explicit.	



2024-23	Synopsis	Add Heading Requirement for 45° Lines	
Current Affected	27.4 45 Degi	ree Lines	
Rule(s)	27.4.1 45 De	gree lines are judged according to the perfect vertical	
	attitude plus o	or minus 45 degrees.	
	Clarification:	When flown into the wind, an aircraft with a correct 45	
	degree attitud	e may have a flight path that is steeper than 45 degrees	
	while the opp	osite is true when flown downwind.	
Proposed	27.4 45 Degi	27.4 45 Degree Lines	
Change	27.4.1 45 Degree lines are judged according to the perfect vertical		
	attitude plus or minus 45 degrees.		
	Clarification: When flown into the wind, an aircraft with a correct 45		
	degree attitude may have a flight path that is steeper than 45 degrees		
	while the opposite is true when flown downwind.		
	27.4.2 The aircraft's heading must remain parallel to the X or Y axis.		
Proposer	This requiren	This requirement exists for horizontal lines but is missing for 45° lines.	
Rationale	Use same tex	t as 27.5.2 for horizontal lines.	



2024-24	Synopsis Scorability Weather Exception	
Current Affected	27.15 Scorability	
Rule(s)	27.15.1 For each figure that cannot be properly graded because of	
	viewing angle or distance, deduct 2 points. The effects of sun or weather	
	are not grounds for a deduction.	
Proposed	27.15 Scorability	
Change	27.15.1 For each figure that cannot be properly graded because of	
-	viewing angle or distance, deduct 2 points. The effects of sun or weather	
	clouds are not grounds for a deduction.	
Proposer	Someone could plausibly argue that wind is a component of weather, but	
Rationale	we definitely should apply this deduction if the wind pushes the aircraft	
	to an unjudgeable position. Change term to "clouds".	



2024-25	Synopsis	Add More Inverted Turns to Intermediate Unknowns
Current Affected	37.2.5, 37.2.6	, 37.2.7 (180°, 270° & 360° turns allowed in Unknowns)
Rule(s)		
Proposed	Add 180, 270	and 360 degree inverted turns to the list of allowed figures
Change	for Intermediate Unknown sequences. Specifically, figures 2.2.1.2, 2.3.1.2,	
	and 2.4.1.2 would be allowed.	
Proposer	The 90 degree inverted turn is already an allowed Intermediate figure and	
Rationale	The 90 degree inverted turn is already an allowed intermediate figure and the 180, 270, and 360 degree inverted turns are no more demanding on an aircraft than the 90 degree variant. The longer turns DO require more situational awareness and skill from the pilot, however, and that is a challenge appropriate for the Intermediate category. Additionally, the 2023 Intermediate Known already featured a 180 degree inverted turn, which has had no detrimental effects on the category. Adding these longer turns to the allowed figures list is a good	
	way of increasing the challenge and variety of Intermediate sequences WITHOUT requiring increased aircraft performance. It's also better preparation for moving up to Advanced.	



2024-26	Synopsis	Eliminate Warm-up Figures for Advanced
Current Affected Rule(s)	14.3.3 Alternatively, competitors in the Advanced and Unlimited categories have the option to perform no more than two horizontal-flight half-rolls plus one of the figures depicted below. This Safety Check, if flown, must be flown continuously on the same axis and inside the aerobatic box. If the selected figure starts inverted, a one-half roll from upright will precede it and if that figure finishes positive a second half roll is not flown. If the selected figure ends inverted, then a one-half roll back to upright will complete the check.	
Proposed Change	14.3.3 Alternatively, competitors in the Advanced and Unlimited category have the option to perform no more than two horizontal-flight half-rolls plus one of the figures depicted below. This Safety Check, if flown, must be flown continuously on the same axis and inside the aerobatic box. If the selected figure starts inverted, a one-half roll from upright will precede it and if that figure finishes positive a second half roll is not flown. If the selected figure ends inverted, then a one-half roll back to upright will complete the check.	
Proposer Rationale	MINIMUM of the box, and b Borrego who minutes per fl warmup figur This is untena categories, wh	ares are a massive drain on contest time. It takes a of 3 minutes for a pilot to enter the box, fly a warmup, exit be ready to fly his sequence. There were 12 competitors at were eligible to fly warmups. That's 36 flights times 3 light = 108 minutes. TWO HOURS of daylight wasted on es. able for large regional contests. It's also unfair to the lower no might have their third flight cancelled to accommodate avagance in the upper categories.
	allow unlimite That can serve a compromise Advanced cat than Unlimite	ating warm-up figures entirely. Our new safety-check rules ed half-rolls combined with any number of pushes or pulls. e to warm-up G-tolerance for any pilot who needs it. But, as e, this rule-change proposes to eliminate warm-ups for the egory only. Advanced has easier figures and fewer pushes ed. There are also many more Advanced pilots than ots, which means this rule-change will largely eliminate the t contests.



2024-27	Synopsis "Move Up" Rule to Stimulate Training		
Current Affected	33.1 Hors Concours Entrants		
Rule(s)	33.1.1 A competitor may compete without the intent of earning flight		
	medals or trophies. This is called an "Hors Concours" entry.		
	33.1.2 A competitor competing in more than one category may only		
	compete for medals and trophies in the highest category entered.		
Proposed	1 Hors Concours Entrants		
Change	33.1.1 A competitor may compete without the intent of earning flight		
	medals or trophies. This is called an "Hors Concours" entry.		
	33.1.2 A competitor competing in more than one category may only		
	compete for medals and trophies in the highest category entered.		
	33.1.3 A competitor that earned trophies (1st, 2nd, 3rd place) or scored		
	above 80% (across 3 competition flights) twice in Primary/Sportsman		
	can only participate in future contests in these categories as "Hors-		
	Concours" competitors.		
Proposer	Primary and Sportsman are "training categories" so folks new to the		
Rationale	sport can learn how a contest works, how to fly in the box, and getting		
	comfortable with the ins and out of competing (known and free). From		
	Intermediate to Unlimited those are different levels of true competition.		
	Unfortunately some competitors "hang in there too long" (comfort level		
	in Sportsman) and might limit the opportunities for less experienced		
	competitors to get clinkies or trophies. A competitor should not be		
	allowed to fly sportsman for 10 years and keep winning in that category.		
	Time to move up can stick in intermediate for ever - but Primary and		
	Sportsman might be best kept as "transient" and "learners categories".		



2024-28	Synopsis Introduce Sportsman Unknown (Light)		
Current Affected	24.1, 24.3.1, 24.4.1, 24.6,1 (Unknown Program rules)		
Rule(s)	37.1.3 (Allowable figures for Unknown sequences)		
Proposed	Sportsman competitor to be allowed to choose between flying the known		
Change	3 times or K/F/U (light).		
	Provide Sportsman unknown on practice day and allow it to be flown		
	once during practice day (for safety).		
	5 to 10 figures max.		
	Select only 20 base figures (plus embellishments) as allowed figures in		
	the unknown (loop, rolls, half Cuban, wedge, spin. etc).		
Proposer	Sportsman as a training category could benefit from an option to fly an		
Rationale	unknown "light". Safety would not be affected (allow flying it once on		
	practice day for altitude checks, breaks). Sequence would be kept simple		
	(same as known in S and P) but the order and some embellishments can		
	introduce competitors to the mental ground practice, think about how to		
	execute the sequence etc. Also a lot of fun. Plus the clinkie would be		
	more relevant than flying the free twice.		



2024-29	Synopsis Snap Rolls for Intermediate Unknowns	
Current Affected	24.6.2 Rolls are restricted as follows:	
Rule(s)	a) Intermediate	
	i. No unlinked rolls.	
Proposed	24.6.2 Rolls are restricted as follows:	
Change	a) Intermediate	
	i. No unlinked rolls.	
	ii. Snap rolls are not permitted following half-loops.	
Proposer	We should allow a half-snap on a level line in INT. It's a good skill to	
Rationale	develop before Advanced, it's no harder on a plane than a full snap, and	
	the half-snap already made an appearance in the 2022 INT Known.	
	However, a half-snap is not appropriate for some aircraft at the top of a	
	loop. This change adds some additional challenge/variety to INT,	
	removes the ambiguity about "apex of a looping line", and doesn't	
	require a footnote.	



2024-30	Synopsis Revise Half-Snaps In Intermediate UNK	
Current Affected	Currently, for Intermediate Unknowns, half-snaps are allowed only on	
Rule(s)	climbing 45 degree lines.	
	37.2.25 (Allowable figures for Unknown sequences, Snap Rolls)	
Proposed	Allow half-snaps on level lines, but prohibit them on all other lines,	
Change	including 45 degree climbing lines.	
	37.2.25 (Delete on 45 up lines and add ¹ / ₂ horizontal snap allowed for	
	Intermediate)	
Proposer	The reason we don't allow snaps on descending lines in Intermediate is	
Rationale	because it's very easy to overspeed and create an unsafe condition—	
	either because the airplane exceeds its safe snap speed or the pilot's	
	execution is poor. This SAME problem exists with half-snaps on	
	climbing lines! Because the pilot wants to center the snap on the line to	
	score well, he's incentivized to start the snap much faster than he	
	otherwise would. The book snap speed for a Great Lakes is 80mph. It's	
	similarly slow for a Decathlon. At that speed, there is NO way to draw a	
	line after the snap on a 45-climb.	
	-	
	The half-snap is a valuable skill for Intermediate pilots. But we should	
	move it to level lines only (it's currently not even allowed on level lines!)	
	to solve this safety issue and give grassroots aircraft a fair shake at	
	Unknowns—WITHOUT the incentive to overstress the aircraft.	



2024-31	Synopsis	Add Unlinked Rolls for Intermediate Unknowns
Current Affected	24.6.2 Rolls are	e restricted as follows:
Rule(s)	a) Intermediate	
	i. No unlinke	d rolls.
Proposed	24.6.2 Rolls are	e restricted as follows:
Change	a) Intermediate	
	i. No unlinked rolls.	
Proposer	Why are unlinked rolls not allowed in Intermediate?	
Rationale	 Why are unlinked rolls not allowed in Intermediate? It seems that a 3/4 roll followed by a 1/4 roll opposite should be WELL within the skillset of an Intermediate pilot. They already fly 4-pt rolls, which involve stops in knife-edge. And if you can't roll an airplane inverted, then roll it upright the opposite direction, you have NO business in an aerobatic box, period. A blanket prohibition on them seems unnecessary. If we added them, we could increase the challenge of Intermediate in a way that doesn't require 	



2024-32	Synopsis Specify Penalty if No Pause Seen Between Unlinked Rolls		
Current Affected	27.8 Unlinked Rolls		
Rule(s)	27.8.1 The rotation rates of the rolls do not have to match each other.		
	27.8.2 The rolls must have a brief pause between them.		
Proposed	27.8 Unlinked Rolls		
Change	27.8.1 The rotation rates of the rolls do not have to match each other.		
	27.8.2 The rolls must have a brief pause between them. If no pause is		
	seen, award a HZ.		
Proposer	The current rule ("The rolls must have a brief pause between them")		
Rationale	establishes a judging criterion without specifying the penalty.		
	If a competitor fails to pause between two unlinked rolls, it's difficult or impossible for the judges to determine where the first roll ended and the second one began, especially for unlinked rolls in the same direction.		
	A roll isn't completed until the rolling motion stops completely. Failure to stop violates the basic definition of the maneuver, and a HZ is warranted. And of course a majority of Grading Judges would have to agree in order for the penalty to be imposed.		



2024-33	Synopsis Clarify Square & Octagon Loops Ending		
Current Affected	26.1.8 The grading of each figure begins upon departure from horizontal		
Rule(s)	flight and ends upon resumption of horizontal flight.		
	Exception: Square and Octagon Loops (Aresti Aerobatic Catalogue numbers 7.4.3 thru 7.4.6) are not complete until their final horizontal line is drawn.		
	28.12.2 All lines (Interior and any final line) must be of equal length. If		
	they are not of equal length, deduct according to Variations in Line		
	Length.		
	Clarification: Grading Square and Octagon loops must continue until the		
	final horizontal line is drawn equal to the length of the first line of the		
	figure, or until the next figure starts. If any final line is seen, regardless		
	of length, the No Line Between Figures downgrade does not apply. Example: If no final line is seen before initiating the next figure, a four		
	(4) point deduction applies to the loop according to Variations in Line		
	Length with a further downgrade of one (1) point on the subsequent		
	figure for No Line Between Figures.		
Proposed	26.1.8 The grading of each figure begins upon departure from horizontal		
Change	flight and ends upon resumption of horizontal flight.		
	Exception: Square and Octagon Loops (Aresti Aerobatic Catalogue		
	numbers 7.4.3 thru 7.4.6) are not complete until their final horizontal line is drawn. There is an exception for the exit lines of Square and Octagon		
	Loops (Aresti Catalogue numbers 7.4.3 thru 7.4.6); see the Family-		
	Specific Grading Criteria.		
	28.12.2 All lines (Interior and any final line) must be of equal length. If		
	they are not of equal length, deduct according to Variations in Line		
	Length.		
	Clarification: Grading Square and Octagon loops must continue until the		
	final horizontal line is drawn equal to the length of the first line of the figure, or until the next figure starts. If any final line is seen, regardless		
	of length, the No Line Between Figures downgrade does not apply.		
	Square and Octagon loops end when the length of the final horizontal		
	line equals or exceeds the length of the first line, or when the next figure		
	starts, whichever occurs first. If any final line is seen, regardless of		
	length, the No Line Between Figures downgrade does not apply.		
	Example: If no final line is seen before initiating the next figure, a four (4) point deduction applies to the loop according to Variations in Line		
	Length with a further downgrade of one (1) point on the subsequent figure for No Line Between Figures.		



Proposer	Rules 26.1.8 and 28.12.2 define the end of square and octagon loops
Rationale	differently, and neither is as clear as it could be. These criteria should be
	defined only once, focus on the length of the exit line (as opposed to how
	long "grading must continue"), leave no ambiguity about when the
	figure ends, and dispel any notion that the final line may be penalized for
	being too long.



2024-34	Synopsis Handling of Improper Restarts	
Current Affected	15.1 Explicit Interruptions	
Rule(s)	15.1.5 The Performance may be resumed with	
. ,	a) the figure immediately preceding the point of interruption, or	
	b) the figure in progress at the time of interruption, or	
	c) the figure immediately following the point of interruption.	
	If the Performance is resumed at any other point, an Improper Restart	
	Penalty shall be assessed.	
Proposed	15.1 Explicit Interruptions	
Change	15.1.5 The Performance may be resumed with	
	a) the figure immediately preceding the point of interruption, or	
	b) the figure in progress at the time of interruption, or	
	c) the figure immediately following the point of interruption.	
	If the Performance is resumed at any other point,-an Improper Restart	
	Penalty shall be assessed. the Chief Judge shall assess an Improper	
	Restart Penalty and Grading Judges shall ignore any repeated figures.	
Proposer	Rule 15.1.5(a) doesn't say what should happen if the competitor repeats	
Rationale	more than one figure. This proposal also replaces the passive voice with	
	named parties and makes what to do clear for all involved.	



2024-35	Synopsis	Gliders Cannot Change Flight Path Between Figures	
Current Affected Rule(s)	34.19.2 Figure Entry and Exit 34.19.2.1 In Glider flights, the lines marking the entry into and exit from a maneuver can be at any reasonable angle and need not be the same, provided the angles do not violate the basic form of the figure. Example: If a pilot is about to fly a loop, which requires only a moderate velocity, followed by a hammerhead with a quarter-roll on the up line, which requires a high velocity, a judge can expect a much steeper attitude on the line marking the loop's exit than on the line marking the entry to the loop.		
Proposed Change	 34.19.2 Figure Entry and Exit 34.19.2.1 In Glider flights, the lines marking the entry into and exit from a maneuver can be at any reasonable angle and need not be the same, provided the angles do not violate the basic form of the figure. Clarification: Any change to the flight path between figures shall be penalized one point per five (5) degrees. Example: If a pilot is about to fly a loop, which requires only a moderate velocity, followed by a hammerhead with a quarter-roll on the up line, which requires a high velocity, a judge can expect a much steeper attitude on the line marking the loop's exit than on the line marking the entry to the loop. 		
Proposer Rationale	aircraft's fligh The Power ru Section 34, re and 27.6.1). S	es often ask whether a glider competitor can change the at path between figures without penalty. les, which apply to Gliders unless explicitly overridden in equire a penalty for any errors in a horizontal line (27.5.1 so it's fair to infer that a Glider horizontal line may not be it's established, but the current rules do not state that	


2024-36	Synopsis Quarter-Clover Wind Deductions		
Current Affected	28.3 Family 0.1-0.2 Quarter-Clover		
Rule(s)	28.3.5 The figure must be wind corrected to maintain a constant radius.		
Proposed	28.3 Family 0.1-0.2 Quarter-Clover		
Change	28.3.5 The figure must be wind corrected to maintain a constant radius. If		
	the figure includes a half-loop on the X axis with no roll, that half-loop		
	must be wind corrected to maintain a constant radius.		
Proposer	Rule 27.10.3 (Explanation) states: "The wind correction requirement is		
Rationale	only regarding the roundness of the Looping Line and not for the effect		
	of crosswind." For the sake of consistency, we should only expect the X-		
	axis non-rolling half of quarter-clovers to be wind-corrected.		
	Specifically, this would apply to a quarter-up clover (0.1) initiated on the		
	Y axis or a quarter-down clover (0.2) initiated on the X axis.		



2024-37	Synopsis	Delete 90° Roller from Advanced Frees	
Current Affected	23 The Free P	rogram	
Rule(s)	23.4 Versatilit	ty	
	23.4.1.3 Adva	anced	
	b) Family 2	At least one Rolling Turn (2.1.2 thru 2.1.3, or 2.2.2 thru	
	,	2.2.7, or 2.3.2 thru 2.3.6, or 2.4.2 thru 2.4.8).	
Proposed	23 The Free Program		
Change	23.4 Versatility		
5	23.4.1.3 Advanced		
	b) Family 2 At least one Rolling Turn (2 .1.2 thru 2.1.3, or 2.2.2 thru		
	2.2.7, or 2.3.2 thru 2.3.6, or 2.4.2 thru 2.4.8).		
Proposer	Figure 2.1.2.1	is a 90-degree rolling turn with a half-roll to the inside. It's	
Rationale	very easy to p	erform, does not require any cross-control inputs, and	
	therefore is no	ot a good test of pilot skill in the Advanced category.	



2024 20	Summers' "Optional Break" Must be an Explicit			
2024-38	Synopsis Interruption			
Current Affected Rule(s)	12.6 Optional Break12.6.1 The Contest Jury may authorize Programs to be flown with an			
(-)	optional break if the ceiling requirements are not met, or if they			
	determine that the forecast high temperature will result in a density			
	altitude of 5,000 feet or higher.			
	12.6.2 When the optional break is authorized by the Contest Jury:a) Pilots will be given a minimum of 10 minutes notice before flight			
	that the optional break may be used.			
	b) Each pilot may take one Interruption within their Performance			
	without penalty.			
	c) The Chief Judge will record all Interruptions normally on the <i>Chief</i>			
	<i>Judge's Penalty Form</i> , but the first Interruption observed will be considered the Optional Break and not penalized. Any additional			
	interruptions will be penalized in the usual manner.			
	d) Competitors may not land during an optional break.			
	12.6.3 In the event weather conditions improve, the Contest Jury may			
	rescind the optional break giving at least 10 minutes notice to the			
Proposed	competitors. (In Section 12.6, replace all instances of the words "break" and			
Change	"Interruption" with "Explicit Interruption".)			
Chunge	12.6 Optional Break Explicit Interuption			
	12.6.1 The Contest Jury may authorize Programs to be flown with an			
	optional break Explicit Interuption if the ceiling requirements are not			
	met, or if they determine that the forecast high temperature will result in			
	a density altitude of 5,000 feet or higher. 12.6.2 When the optional break Explicit Interuption is authorized by the			
	Contest Jury:			
	a) Pilots will be given a minimum of 10 minutes notice before flight			
	that the optional break Explicit Interuption may be used.			
	b) Each pilot may take one Explicit Interruption within their			
	Performance without penalty.			
	c) The Chief Judge will record all Interruptions normally on the <i>Chief Judge's Penalty Form</i> , but the first Explicit Interruption observed will			
	be considered the Optional Break and not penalized. Any additional			
	Explicit iInterruptions will be penalized in the usual manner.			
	d) Competitors may not land during an optional break Explicit			
	Interuption.			
	12.6.3 In the event weather conditions improve, the Contest Jury may rescind the optional -break Explicit Interuption giving at least 10 minutes			
	notice to the competitors.			
	- F			



Proposer	The density altitude break encourages competitors to regain altitude if		
Rationale	needed, and helps level the playing field at high-altitude contests. In		
	contrast, Implicit Interruptions are used to correct a major error in aircraf		
	heading or attitude, neither of which is directly related to density altitude.		
	Implicit Interruptions also penalize competitors who deliberately distort a		
	figure to gain altitude or airspeed; those goals could be achieved without		
	distorting a figure and taking score downgrades for doing so if the		
	competitor took an Explicit Interruption instead.		
	Therefore only Explicit Interruptions should be permitted for if the Jury		
	authorizes the optional break.		
	I also recommend replacing "Optional Break" with "Density Altitude" in		
	the Rule Book index.		



2024-39	Synopsis 4-min Freestyle Eligibility Update		
Current Affected	35.4 Eligibility		
Rule(s)	35.4.1 All Unlimited competitors and any Advanced category		
	competitors who hold at least a current ICAS 250-foot Statement of		
	Aerobatic Competency may compete in the Four Minute Freestyle.		
	35.4.2 All Four Minute Freestyle competitors must have completed their		
	category's Programs.		
Proposed	35.4 Eligibility		
Change	35.4.1 All Unlimited competitors and any Advanced category		
	competitors who hold at least a current ICAS 250-foot Statement of		
	Aerobatic Competency may compete in the Four Minute Freestyle.		
	35.4.2 All Four Minute Freestyle competitors must have completed do		
	not need to compete in their category's Programs.		
Proposer	Contest Directors are charged a separate entrance or sanctioning fee for		
Rationale	each 4-min competitor by the IAC, despite having already been charged		
	for the competitor to participate in their respective category programs. If		
	the IAC is going to charge/sanction this as its own contest/event, then a		
	competitor should be allowed to register and fly in the 4-min free without		
	competing in the host contest. Additionally, there are personnel who		
	attend a contest primarily to volunteer and support, but who may enjoy a		
	small portion of the competitive environment if allowed to participate in		
	only the 4-min free. If the BOD does not wish to alter this requirement,		
	then I recommend removing the additional sanctioning fee for 4-min		
	freestyle competitors.		



2024-40	Synopsis Update 4-Min Freestyle Eligibility		
Current Affected	35.4 Eligibility		
Rule(s)	35.4.1 All Unlimited competitors and any Advanced category		
	competitors who hold at least a current ICAS 250-foot Statement of		
	Aerobatic Competency may compete in the Four Minute Freestyle.		
	35.4.2 All Four Minute Freestyle competitors must have completed their		
	category's Programs.		
Proposed	35.4 Eligibility		
Change	35.4.1 All Unlimited competitors and any Advanced category		
5	competitors who hold at least a current ICAS 250-foot Statement of		
	Aerobatic Competency, or those who have been granted FAA Airshow		
	Certification may compete in the Four Minute Freestyle.		
	35.4.2 All Four Minute Freestyle competitors must have completed their		
	category's Programs.		
Proposer	The U.S. Air Force Academy Glider demonstration team is sanctioned to		
Rationale	conduct air shows by the FAA and its members should be allowed to		
	participate in the 4-min free programs, so long as they meet all other		
	eligibility criteria.		



2024-41	Synopsis Update Glider Advanced Unknown Program Max Total Figure K		
Current Affected	34.18 Unknown Sequence Restrictions		
Rule(s)	34.18.1 The Number of Figures, Individual Figure K-Factor, and Total		
	Figure K-Factor are restricted as follows:		
	Category <u>Maximum Total</u>		
	Figure K-Factor		
	a) Intermediate 130		
	b) Advanced 145		
	c) Unlimited 190		
Proposed	34.18 Unknown Sequence Restrictions		
Change	34.18.1 The Number of Figures, Individual Figure K-Factor, and Total		
	Figure K-Factor are restricted as follows:		
	Category <u>Maximum Total</u>		
	Figure K-Factor		
	a) Intermediate 130		
	b) Advanced <u>145</u> 160		
	c) Unlimited 190		
Proposer	Provides better segmentation of K-factor limitations.		
Rationale			



2024-42	Synopsis	-	e Glider Advanced Free Program 'otal K
Current Affected	34.17 Free Se	quences	
Rule(s)	34.17.1 Figur	e and K Li	mits
	<u>Category</u>		Maximum Total Figure K-Factor
	a) Sportsman		Same as the current year's Known Sequence
	b) Intermedia	te	140
	c) Advanced		175
	d) Unlimited		230
Proposed	34.17 Free Se	quences	
Change	34.17.1 Figur	e and K Li	mits
	<u>Category</u>	••••	Maximum Total Figure K-Factor
	a) Sportsman		Same as the current year's Known Sequence
	b) Intermedia	te	140
	c) Advanced		175 190
	d) Unlimited		230
Proposer	Provides bette	Provides better segmentation of K factors.	
Rationale			



2024-43	Synopsis Revise IAC Tech Inspection Process			
Current Affected	5 Technical Matters			
Rule(s)				
Proposed	Change the contest entry form so that each competitor must initial a set			
Change	of statements:			
	- I certify that my airplane has had an annual/condition inspection within			
	12 months of the contest's last day [Initials] - I certify that I have inspected my airplane and found it to be airworthy			
	[Initials]			
	- I certify that my parachute has been repacked within 180 days of the			
	contest's last day [Initials]			
	- I certify I hold a valid medical [Initials]			
	- I certify I hold a valid pilot certificate [Initials]			
Proposer	We changed the policy to remove liability from IAC and contest staff,			
Rationale	but we've done a VERY bad job of explaining to competitors exactly			
	how much risk they're taking when they sign other pilots' forms. Why			
	don't we just have the legal wording required to stick that liability where			
	it belongs: with the Pilot in Command of each plane?			
	This current policy is dangerous because it comes up against a natural			
	human tendency to look out for your friends. If the signature and inspection came from a stranger, people would be more careful about			
	dotting i's and crossing t's before they signed. But since everyone has			
	years of history together at contests, there's a mental bias that creeps in:			
	"Oh, that's Mark. We've flown together for years. He's a great pilot; I'm			
	sure he's got his stuff together."			
	From a contest-operations perspective, the new approach is a massive			
	win. Tech inspectors no longer need to be on duty all day and they aren't			
	a bottleneck for registration flow.			
	Use at a significant in a lat's surprise that at some other contact #2			
	Hypothetically speaking, let's suppose that at some other contest, #2 were not true. At this fictional contest, friends just signed each others'			
	forms without so much as a glance at an airplane or a medical certificate.			
	Pilots at this fictional contest opened themselves up to a lot of liability			
	without realizing it—if their buddy crashed or had some sort of violation,			
	the FAA would pull that little form and ask, "You signed this piece of			
	paper saying Freddy had a valid medical, but Freddy hasn't held a			
	medical since 1989. And you claimed you saw a current annual logbook			
	entry, but this airplane hasn't seen an A&P since the Carter			
	administration." Freddy's family comes along and blames this friend for			
	letting Freddy fly. Wrongful death lawsuit ensues.			



2024-44	Synopsis Require Contest Tech Inspections		
Current Affected	5.1.4 The Technical Committee, if available, may assist with verifying		
Rule(s)	that competitors have:		
	a) performed preflight inspections of the aircraft consistent with the IAC		
	Aircraft Review Form, and		
	b) provided all necessary certificates and aircraft documents consistent		
	with the IAC Pilot Document Review Form.		
Proposed	(Revise entire existing 5.1.4 to the following)		
Change	5.1.4 The Technical Committee shall inspect competitor's aircraft and		
	credentials to:		
	a) Perform a prefilight inspection of the aircraft to determine that there		
	are no obvious mechanical safety deficiencies.		
	b) Determine that aircraft and pilot have the appropriate, current,		
	certifications, and documentation.		
	c) Certify the above using the appropriate IAC form. This form shall be		
	retained by the Contest Registrar.		
Proposer	The contest accepts competitors and their aircraft into the operation		
Rationale	based on the competitor's assertion that all paperwork for the competitor		
	and aircraft are up-to-date and the aircraft is in an airworthy condition for		
	aerobatics. While it is the competitor's responsibility for all of that,		
	history has shown that is not always the case. IAC and the contest will		
	defensively create a higher level of safety, and reduce their liability as		
	the activity host, by having a representative of contest management		
	review the competitor's credentials, the aircraft documents, and the		
	aircraft condition. Please note that the aircraft having a documented		
	annual inspection, and the pilot having a current medical certificate, only		
	identifies that on the one day, that aircraft and pilot health condition was		
	true. If those exams were several months in the past, the condition of the		
	aircraft and/or the pilot has likely changed.		



2024-45	Synopsis	Add Safety Director to Tech Committee	
Current Affected	5.1.2 The Te	chnical Committee will consist of the Contest Director, the	
Rule(s)	Chief Judge(s	s), and the Chief Technical Monitor who is appointed by the	
	Contest Direc	tor. Additional Technical Committee members may be	
	appointed by the Contest Director as needed.		
Proposed	5.1.2 The Technical Committee shall consist of the Contest Director,		
Change	The Chief Judge(s), the Safety Director, and the Chief Technical Monitor		
	who is appointed by the Contest Director. Additional Technical		
	Committee members may be appointed by the Contest Director as		
	needed.		
Proposer	Technical issu	ues are certainly safety issues and the Safety Director	
Rationale	should be inv	olved. This omission looks like an oversight by the	
	drafters/revise	ers of the rule text.	



2024-46	Synopsis	Qualifications for Technical Monitors & Assistants		
Current Affected	5.1.2 The Te	chnical Committee will consist of the Contest Director, the		
Rule(s)		s), and the Chief Technical Monitor who is appointed by the		
		ctor. Additional Technical Committee members may be		
	11 *	the Contest Director as needed.		
	-	ble, the Chief Technical Monitor will hold an Airframe and		
	-	Iechanic's license and be familiar with the special		
	+	emands of aerobatic aircraft.		
Proposed		chnical Committee will consist of the Contest Director, the		
Change	- · ·	s), and the Chief Technical Monitor who is appointed by the		
	Contest Director. Additional Technical Committee members may be			
	appointed by the Contest Director as needed.			
	5.1.3 If possible, the Chief Technical Monitor will hold an Airframe and			
	Powerplant Mechanic's license and be familiar with the special			
	operational demands of aerobatic aircraft. The Chief Technical Monitor may designate additional Tech Inspectors. Those designees shall be			
	• •	are additional Tech inspectors. Those designees shall be designees shall be		
		emands of aerobatic aircraft.		
Proposer		s no guidance in the rules on what qualifications are desired		
Rationale	•	s who assist with tech inspecting aerobatic aircraft. This		
		ording will provide guidance. Additional Tech Inspecors		
		pointed by the Chief Technical Monitor, who is the		
	designated tee			