

Dear CIVA Delegates.

v2 - corrected 29-10-19

This year was very productive with Known figures 2020 proposals.

We have received:

- 17 proposals for Unlimited (A to Q)
- 22 proposals for Advanced (A to V)
- 9 proposals for Yak52/Intermediate (A to I)

One more proposal for Unlimited (R) was created compiling figures from several submitted by NACs.

Opinions of KAWG experts were very diverse.

You can find the full analysis in the attached files.

The following are shortlists with sets which were marked by the KAWG experts as order 1 through 3.

We hope this report can help you to make the right decision.



Elena Klimovich, KAWG secretary

Advanced (9 sets)

	B	E	H	J	M	Q	R	U	V	Objections
Alan Cassidy		2	3					1		B,J,Q,R- G-loc or other potential issues, including figures that are judged inconsistently
Claude Bessiere		2	6	3	1					Q - 3/4 in the tailslide too difficult. And Humpty 45 dives a lot. R - the push after half flick in the hook fig. 5, too difficult, even for unlimited U - difficult to build a sequence with negative stall turn in the middle and figure diving. (Humpty 45) many points V - figure diving (Humpty 45)
Mikhail Mamistov	10	16	12	7	6	2	3	15	1	R - fig.1 is similar to 2019
Nigel Hopkins	1								2 3	
Rob Holland										

Unlimited (8* sets)

	B	E	G	H	K	L	P	Q	R	Objections
Alan Cassidy			4	3	2	1				B - Neg to pos on 4 E - Neg to pos on 2
Claude Bessiere		3						1	2	B - too many points, over limit G - difficult to build (fig. 5) H - very difficult to build a sequence (fig. 5) K,L - too many fig. with neg. recovery Q - useless neg. climbing in the fig. 3
Mikhail Mamistov	5	3	2	8	9	10	4	13	1	B - Total K is outside the limit H - Advantage for highpowered craft on fig.A, fig.E is not good for positioning K,L - Too many figures with negative G Q - Fig.A - 3/4 snap going down with lower foot
Nigel Hopkins	3								1 2	E - Challenging positioning, neg G G - Complex, tailslide after flick challenging H - Complex, energy depleting K - Complex, high neg especially fig D L - Complex, too much neg G R - Flick before tailslide challenging
Rob Holland										

* Set B should be removed from the shortlist as not eligible.

Yak-52/Intermediate (7* sets)

	A	B	C	D	E	G	H	I	Objections
Alan Cassidy	2		1		3			4	B,D,G,H - G-loc or other potential issues, including figures that are judged inconsistently
Claude Bessiere	6	8	1	4	5	3	7	2	
Mikhail Mamistov	3	1	7	2	5	6	9	4	C - Fig.5 is too difficult for Yak-52 E - Fig.2 can provoke too high speed for Yak-52 H - Repetitions on fig. 3, 1, 5
Nigel Hopkins	3						2	1	C – basic roller D - positioning challenge E - figure D challenging on energy for Yak 52 G - Fig A positioning? Fig C energy for Yak52
Rob Holland									

* Set H should be removed from the shortlist as not eligible.

		Alan Cassidy		Claude Bessierey				Mikhail Mamistov				Nigel Hopkins		Rob Holland	
		Notes	Order of preference	Notes	Order of preference	Being interesting	Technical	Physical	Balance / correctness	Total mark	Notes	Order of preference	Notes	Order of preference	
Advanced	A	G-loc or other potential issues, including figures that are judged inconsistently		too difficult, especially the positive flick from inverted line (even for unlimited) , and half roll climbing in the tailside ?		8	6	7	0	21	Crossover snap on fig.2	19	Fig 2 negative line positive flick not suitable		
Advanced	B	G-loc or other potential issues, including figures that are judged inconsistently		OK		6	7	6	8	27		10	Good, challenging	1	
Advanced	C	G-loc or other potential issues, including figures that are judged inconsistently		the 4 point roll diving in the diamond is not easy.(altitude)		7	6	8	7	28		9	Good variety and challenging		
Advanced	D			Ok, but physique(fig. 3)	8	6	6	7	0	19	Repetition on fig.2	21	Variety, challenging, neg G		
Advanced	E		2	Ok, but physique(fig. 3)	2	5	6	6	7	24		16	Variety, challenging		
Advanced	F	G-loc or other potential issues, including figures that are judged inconsistently		useless neg. recovery (fig. 1 and 4)		7	7	7	6	27		11	Variety, challenging, high neg G		
Advanced	G	G-loc or other potential issues, including figures that are judged inconsistently		useless neg. recovery. (fig. 4)		8	6	8	8	30		5	Complex, high neg G		
Advanced	H		3	OK	6	6	7	6	7	26		12	Challenging, good variety		
Advanced	I	G-loc or other potential issues, including figures that are judged inconsistently		Ok , caution in the 1/2 roll after half pos. flick	4	7	7	6	6	26		13	Good variety, challenging but fair		
Advanced	J	G-loc or other potential issues, including figures that are judged inconsistently		OK	3	8	6	8	7	29		7	Good variety, challenging but fair		
Advanced	K	G-loc or other potential issues, including figures that are judged inconsistently		half roll in the tailside ?full pos. flick climbing ? Advanced category is not unlimited cat.		8	5	6	7	26		14	Fig E possibly too complex		
Advanced	L	G-loc or other potential issues, including figures that are judged inconsistently		OK	5	8	8	6	7	29		8	Fig C possible energy problems		
Advanced	M			OK	1	7	8	8	7	30		6	Good complex figures and variety		
Advanced	N		4	correct, except the Humpty 45	7	8	7	8	8	31		4	Good variety, challenging but fair		
Advanced	O	G-loc or other potential issues, including figures that are judged inconsistently		difficult to build a sequence with the stall turn with double 45. Difficult to judge		7	6	7	0	20	Crossbox 45 degree line on fig.3; repetition on fig.4	20	Complex, high K		
Advanced	P	G-loc or other potential issues, including figures that are judged inconsistently		impossible : no flick in the first line of diamond!		6	6	7	0	19	Highspeed snap on diamond loop	22	Complex, potential energy problems		
Advanced	Q	G-loc or other potential issues, including figures that are judged inconsistently		3/4 in the tailside too difficult. And Humpty 45 dives a lot.		8	8	7	8	31	Fig.1 is similar to one of 2019	2	Good challenging figures and variety		
Advanced	R	G-loc or other potential issues, including figures that are judged inconsistently		the push after half flick in the hook fig. 5, too difficult, even for unlimited.		7	8	8	8	31		3	Good challenging figures and variety		
Advanced	S			many points 175 and figures diving a lot. (3and 5)		6	5	7	5	23		17	Challenging, needs variety		
Advanced	T			figures diving too much. (3,4 and5)		6	5	7	5	23		18	Challenging, needs variety		
Advanced	U		1	difficult to build a sequence with negative stall turn in the middle and figure diving. (Humpty 45) many points.		7	7	7	5	26		15	Good variety and Challenging	2	
Advanced	V			figure diving (Humpty 45)		8	8	8	8	32		1	Complex but fair with variety	3	

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		Alan Cassidy		Claude Bessiere				Mikhail Mamistov				Nigel Hopkins		Rob Holland		
		Notes	Order of preference	Notes	Order of preference	Being interesting	Technical	Physical	Balance / correctness	Total mark	Notes	Order of preference	Notes	Order of preference	Notes	Order of preference
Unlimited	A	Hi speed neg flick on 1, ot of negative before pull on 5		fig. 1 and 4 have too many fig.with negative recovery		8	1	1	6	16	Fig.A demands too high negative G, advantage for highpowered craft. High altitude loss on Fig.B. Too many negative elements	18	Energy depleting and high neg G			
Unlimited	B	Neg to pos on 4		too many points, over limit		8	8	6	7	29	Total K is outside the limit. High altitude loss on Fig. D	5	Good, fair challenge	3		
Unlimited	C			Ok - but no flick climbing		6	7	7	7	27	Normal	6	Low K. Possibly not challenging			
Unlimited	D	too much rolling in middle of 3		fig 1 and 4 : too much neg. recovery.		6	8	3	2	19	Not balanced K factors (High A, C, low D)	17	High Neg G. Energy on fig A. Positioning fig C			
Unlimited	E	Neg to pos on 2.		OK	3	8	8	8	8	32	Good balanced set	3	Challenging positioning, neg G			
Unlimited	F	Difficult judging of flicks in figs 2 and 3, especially 3		Ok- but long spin , so caution speed before 3/4 neg. flick		6	2	7	5	20	Fig.C - 3/4 snap going down with lower foot. Bad variety - 4 figures of	15	Challenging and fair			
Unlimited	G		4	difficult to build (fig. 5)		9	8	8	9	34	Good balanced set with interesting elements	2	Complex, tailslide after flick challenging			
Unlimited	H		3	very difficult to build a sequence (fig. 5).		7	8	6	2	23	Advantage for highpowered craft on fig.A. Fig.E is not good for positioning	8	Complex, energy depleting			
Unlimited	I	Neg to pos on 4		not easy with 2 flicks in the same figure	5	4	7	5	5	21	Bad variety — 3 figures of Family 8	14	Complex but fair			
Unlimited	J	Difficult judging fig 1		too many fig. with neg. recovery		8	7	1	4	20	Too many figures with negative G. Bad variety — 2 figures of Family 7, 2 figures of Family 8	16	Complex, high neg G			
Unlimited	K		2	too many fig. with neg. recovery.(1 and 4)		7	6	3	7	23	Too many figures with negative G	9				
Unlimited	L		1	same problem with neg. recovery.		7	6	3	7	23	Too many figures with negative G	10	Complex, too much neg G			
Unlimited	M	Difficult judging fig 3		too many points in the Cuban eight (71)		6	7	6	3	22	Not balanced K factors - too high on A	12	Difficult positioning, Fig A too complex			
Unlimited	N	Neg to pos on 2.		OK	4	7	7	5	8	27	Normal	7	Complex fig A for low performance aircraft			
Unlimited	O	Judging criteria and heg to pos on D		too many points in the fig. 1. (71)		6	8	6	3	23	Not balanced K factors - too high on A	11	Very complex fig A, positioning and difficulty high			
Unlimited	P			OK	1	7	8	8	8	31	Normal	4	Good variety and fair challenge	1		
Unlimited	Q			useless neg. climbing in the fig. 3		7	2	5	8	22	Fig.A - 3/4 snap going down with lower foot.	13	Good variety, high challenge	2		
Unlimited	R				2	9	9	9	8	35	Compiled from submitted sets	1	Flick before tailslide challenging			

		Alan Cassidy		Claude Bessiery		Mikhail Mamistov					Nigel Hopkins		Rob Holland		
		Notes	Order of preference	Notes	Order of preference	Being interesting	Technical	Physical	Balance / correctness	Total mark	Notes	Order of preference	Notes	Order of preference	
Yak-52/Int	A		2		6	8	8	7	6	29		3	Good variation, challenging but fair Fairly high difficulty, challenging	3	
Yak-52/Int	B	G-loc or other potential issues, including figures that are judged inconsistently			8	8	8	8	8	32		1	Fairly high difficulty, challenging		
Yak-52/Int	C		1		1	8	4	8	6	26	Fig.5 is too difficult for Yak-52	7	Good figures, basic roller		
Yak-52/Int	D	G-loc or other potential issues, including figures that are judged inconsistently			4	8	8	8	7	31		2	Challenging and fair, positioning challenge		
Yak-52/Int	E		3		5	7	7	8	6	28	Fig.2 can provoke too high speed for Yak-52	5	Challenging, figure D challenging on energy for Yak 52		
Yak-52/Int	F	G-loc or other potential issues, including figures that are judged inconsistently		the 1/4 diving after the flick in the P loop dives a lot when you want a correct line after the quarter	9	7	7	7	4	25	Fig.4 can provoke too high speed for Yak-52	8	Complex figures		
Yak-52/Int	G	G-loc or other potential issues, including figures that are judged inconsistently			3	7	7	7	6	27		6	Fig A positioning? Fig C energy for Yak52		
Yak-52/Int	H	G-loc or other potential issues, including figures that are judged inconsistently			7	6	6	6	0	18	Repetitions on fig. 3, 1, 5	9	Good flowing figures	2	
Yak-52/Int	I		4		2	7	7	7	7	28		4	Good challenging figures with variety	1	