

Agenda Item 14.3 - Scoring and Results production at FAI / CIVA Championships in 2014



Four international aerobatic championships – WGAC, WAGAC, WAAC and EAC – have so far been completed under the FAI / CIVA banner in 2014, and we have still the WY52AC and the inaugural WIAC to come in South Africa during December:

Completed events:

World Glider Aerobatic Championship, Torun, Poland
World Advanced Glider Aerobatic Championship, Torun, Poland
World Advanced Aerobatic Championship, Dubnica, Slovakia
European Aerobatic Championship, Matkópuszta, Hungary

Scoring Director:

Pawel Szczepanowski
Pawel Szczepanowski
Pawel Szczepanowski
Sándor Molnár

Events still to come:

World Intermediate Aerobatic Championship, Mossel Bay, South Africa
World Yak-52 Aerobatic Championship, Mossel Bay, South Africa

Scoring Director:

Natalie Stark
Natalie Stark

At all of these events the widely used ACRO software continues to be the scoring system of choice, providing a complete and reliable environment to handle every aspect of this work from data entry to paper and internet results publication, plus of course the continuously developed analysis of judging performances as determined through operation of the CIVA FairPlay system.

Scoring system / software developments

The complexity and security of information handled at CIVA championships are matters of great importance to all organisers. During the contest period the scoring system becomes the hub for almost all performance related matters, continually receiving data from many sources that the software must accurately capture to generate administrative paperwork, compute and publish the results. Ease of use, reliability and trust of the scoring system are critical; in conjunction with the rapid post-event release of the contest file for review through the software, CIVA's policy of open information availability immediately following its championships continues to set a high standard against which all other international sporting pursuits may be judged.

Online personnel photograph archive

The inclusion of pilots' photographs on their paperwork and on all of the relevant website output provides an important personalising aspect without which they would be relatively dull and anonymous. The task of sourcing or generating these photos at each event can however be extremely demanding of time and effort. To resolve this problem ACRO will for 2015 feature access to an online photo archive that I hope will quickly grow beyond the existing few hundred items to include the personnel photographs from all future events, allowing scorers to simply download the majority of the necessary images. The system will also facilitate uploads of new

and/or improved images to the archive, making this whole subject far simpler to manage.

Sequence diagrams

The addition of mini sequence diagrams to ACRO's web score-sheets for 2014 has been a very popular move with pilots, providing an instant reference against which the marks and scores can be assessed and also serving as an important archive for extended use by everyone around the world.

FairPlay Processed Marks Sheet

Castor FANTOBA (ESP) - Sukhoi 26M EC-HPD

Unlimited - Power : Programme 3: Free Unknown #1

EAC 2014 at Matkópuszta Airport, Hungary, 23 - 30 August 2014
Contest Director: Pavol KAVKA, Contest Chief Judge: Nick BUCKENHAM (GBR)
Judges: 1 - Gábor TALABOS (HUN), 2 - László LISZKAY (RSA), 3 - Violeta GEDMINAITE (LTU), 4 - Mikhail BEZDENZHNYK (RUS), 5 - Timo BARTHOLDI (FIN), 6 - Guy AUGER (FRA), 7 - Tamara DOVGALENKO (UKR)

Fig No	K factor	J1	J2	J3	J4	J5	J6	J7	CHZ	Average marks	Equival scores
1	56	7,0	7,5	8,5	7,5	7,5	7,5	7,5	OK	7,57	423,92
		7,08	7,26	7,97	7,96	8,03	7,23	7,67		7,60	425,49
2	37	8,0	8,5	8,5	8,0	8,0	8,0	8,0	OK	8,14	301,18
		7,80	8,16	8,49	8,23	8,30	7,91	8,16		8,15	301,49
3	47	8,0	8,0	8,5	8,0	8,5	8,5	8,5	OK	8,29	389,63
		7,97	7,84	8,12	8,53	8,78	8,20	8,54		8,28	389,33
4	39	8,0	8,0	8,5	8,0	8,5	8,0	8,0	OK	8,14	317,46
		7,84	7,96	8,54	8,21	8,61	8,02	7,92		8,16	318,13
5	6	8,5	8,5	8,5	9,0	8,5	8,5	8,5	OK	8,57	51,42
		8,43	8,32	8,57	9,41	8,51	8,58	8,68		8,64	51,85
6	29	8,0	8,0	8,0	7,5	7,5	8,0	7,5	OK	7,79	225,91
		7,63	7,73	7,54	7,94	8,33	7,67	7,59		7,78	225,51
7	36	7,5	8,5	8,5	8,0	7,5	8,5	8,0	OK	8,07	290,52
		7,56	8,27	8,11	8,52	7,95	8,26	7,85		8,07	290,65
8	6	9,0	8,5	9,0	8,5	8,5	9,0	9,0	OK	8,79	52,74
		8,82	8,54	9,00	8,54	8,38	8,98	9,16		8,77	52,63
9	33	8,0	7,5	9,0	7,5	8,0	8,0	8,0	OK	8,00	264,00
		7,93	7,38	8,31	7,84	8,50	7,93	7,92		7,97	263,11
10	6	8,0	8,0	8,5	9,0	8,5	9,0	8,5	OK	8,50	51,00
		8,12	8,31	8,41	9,19	8,37	8,92	8,59		8,56	51,34
11	44	7,5	Lo PZ	8,5	7,0	7,0	7,5	7,0	OK	6,36	279,84
		7,40	7,31	8,02	7,45	7,50	7,32	6,97		7,42	326,64
12	24	6,0	6,5	8,0	7,0	6,5	8,0	8,0	OK	7,14	171,36
		5,81	6,56	7,92	7,13	6,81	7,90	7,71		7,12	170,92
13	6	8,0	6,5	7,5	8,0	8,5	8,0	7,5	OK	7,71	46,26
		8,07	6,78	7,15	7,67	8,40	8,05	7,48		7,66	45,94
14	53	8,0	7,0	8,5	7,5	7,5	8,0	7,5	OK	7,71	408,63
		7,82	6,90	8,36	7,54	7,97	7,88	7,39		7,69	407,81
Posi	40	8,0	7,5	9,0	8,5	9,0	9,0	8,5	OK	8,50	340,00
		7,93	8,23	8,75	8,59	8,60	8,60	8,55		8,47	338,67

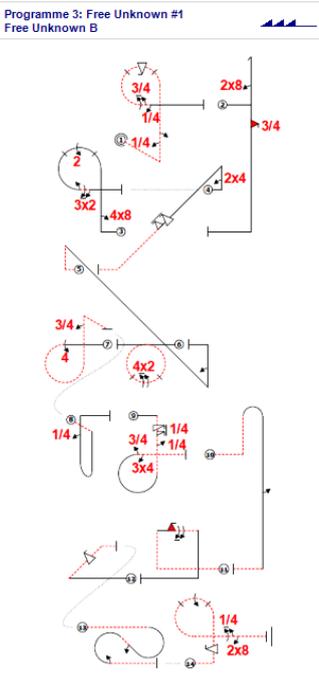
This sequence has been completed. FairPlay scores here are FINAL

Judge Scores	3534,88	3520,16	3734,73	3741,50	3758,66	3635,52	3681,41
Processed score total (4620 = max.poss)	3658,12						
Too Low	0,0						
Too High	0,0						
Box Oute	0,0						
Interruptions	0,0						
Insertions	0,0						
Missed Slot	0,0						
Trg. Violation	0,0						
Other Penalty	0,0						

No penalties to deduct

Final score valuation 79,18 %

FairPlay System Aerobatic Contest Results Organizer - Version 3.3 Build 24-08-14



The feature is simple to use, the diagrams quickly and easily captured from any on-screen source such as a Visio Aresti or OpenAero sequence diagram, a pdf, a displayed graphic file or even if necessary a smart-phone photograph.

Inter-software sequence data transfer

Throughout 2014 scorers have been able to use ACRO to open and read the figure data from OpenAero's .seq files to quickly import whole sets of sequence K-factors, SuperFamilies and



Free Unknown figure identities into the contest data file. This has ensured the accurate and secure capture of figure data for all programmes, avoiding most of the risks inherent with hand entry of potentially incorrect data.

Further work in conjunction with Alan Cassidy prior to EAC has enabled the same range of data from the Visio Aresti sequence drawing environment to be imported via intermediary .ctx files, providing a complete solution to interface from within the software with both of CIVA's currently accepted sequence design applications.

Delegates may also be aware of proposals to adopt a championship structure that includes an additional Free Unknown programme in place of the existing Free programme. To meet this increased reliance on multiple sub-sets of sequence data that must have identical selected figure K-factors, ACRO now requires the initial input of a 'Master' data set for the selected figures in both power and glider Free Unknowns, and this becomes the sole "reference template" from which all figures in each sequence version are directly copied.

A handwritten signature in blue ink, which appears to read 'Nick Buckenham', is positioned above the typed name.

Nick Buckenham
ACRO software author
and CIVA Scoring Director
October 2014