



FEDERATION AERONAUTIQUE INTERNATIONALE

FAI AEROMODELLING COMMISSION (CIAM)

Minutes of the

PLENARY MEETING

held at the OLYMPIC MUSEUM - LAUSANNE
on the 21st and 22nd March 2002 at 9.15 hours

Were present:

<u>In the Chair:</u>	Mr. Sandy PIMENOFF	President of CIAM (Finland)
	Mr. Pierre CHAUSSEBOURG	1 st CIAM Vice President/Delegate (France)
	Mr. Dave BROWN	2 nd CIAM Vice President/Delegate (USA)
	Mr. Andras REE	3 rd CIAM Vice President /Delegate (Hungary)
	Mr. Bob UNDERWOOD	CIAM Technical Secretary (USA)
	Mr. Luca GIALANELLA	CIAM Secretary/Alternate Delegate (Italy)

AUSTRALIA	Mr. Ivan CHISELETT	Delegate
AUSTRIA	Mr. Georg BREINER	Delegate
	Mr. Wilhelm KAMP	Observer
BELGIUM	Mr. Robert HERZOG	Delegate
	Mr. Alex GOOSSENS	Alternate Delegate
	Mrs. Jacqueline CABES	Observer
	Mrs. Paulette HALLEUX	Observer
	Mr. Guy MANESSE	Observer
	Mr. Guido MICHIELS	Observer
CANADA	Mr. Jack HUMPHREYS	Delegate
CHINA	Mr. Wenzhang LIU	Delegate
	Mr. Bi DONGHAI	Alternate Delegate
	Mr. Yang YUXIN	Observer
CZECH REPUBLIC	Mr. Vladimir HADAC	Delegate
	Ing. Tomas BARTOVSKY	Alternate Delegate/Chairman F3B-J Subcommittee
	Mr. Jiri HAVEL	Observer
	Mr. Ivan HOREJSI	Observer
	Mr. Jan KOHOUT	Observer
FINLAND	Mr. Erkki ARIMA	Delegate

FRANCE	Mr. Bruno DELOR	Alternate Delegate, F2 World Cup Coordinator
	Mr. Guy BROQUIERES	Observer
	Mr. Pierre PIGNOT	Observer
	Mr. Roland SURUGUE	Observer
GERMANY	Mr. Gerhard WOEBBEKING	Delegate
	Mr. Ralf DECKER	Observer
	Mr. Philip KOLB	Observer
	Mr. Claus MAIKIS	Observer
	Mr. Michael RAMEL	Observer
GREECE	Mr. Antonis PAPADOPOULOS	Delegate
IRELAND	Capt. Joe DIBLE	Delegate
ITALY	Mr. Eraldo PADOVANO	Delegate
	Mr. Giulio BENINCASA	Observer
	Mr. Marco BENINCASA	Observer
	Mr. Lucio DELLA TOFFOLA	Observer
JAPAN	Mr. Senji WATANABE	Delegate
LUXEMBOURG	Mr. Ernest MATTIUSI	Delegate
NETHERLANDS	Mr. Peter KEIM	Delegate
	Mr. Gerhard RUTTEN	Observer
	Mr. Frits Van LAAR	Observer
	Mr. Hans VISSER	Observer
NEW ZEALAND	Mr. Martin DILLY	Delegate
NORWAY	Mr. Narve JENSEN	Delegate/ Chairman Scale Subcommittee
	Mr. Dag ECKHOFF	Observer
POLAND	Mr. Pawel WLODARCZYK	Delegate
	Mrs. Dorota WLODARCZYK	Alternate Delegate
PORTUGAL	Mr. Joao LOUREIRO de SOUSA	Delegate
	Mr. Emanuel FERNANDES	Alternate Delegate
	Mr. Joao PEREIRA DE COSTA	Observer
ROMANIA	Mr. Mihail ZANCIU	Delegate
	Mr. Marius CONU	Alternate Delegate
SLOVAK REPUBLIC	Mr. Miroslav SULC	Delegate
	Mr. Marian JORIK	Alternate Delegate/World Cup Space Models Coordinator
SOUTH AFRICA	Mr. Bob SKINNER	Delegate / Chairman F3A Subcomm.
SPAIN	Ms. Yolanda GARCIA de FUENTES	Delegate
	Mr. Josè Antonio LEJARZA	Alternate Delegate
	Mr. Antonio COCO MOTA	Observer
	Mr. Antonio ROJAS	Observer
SWEDEN	Mr. Bengt-Olof SAMUELSSON	Delegate
	Mr. Peter KALLOFF	Alternate Delegate

SWITZERLAND	Mr. Rolf GIRSBERGER	Delegate
	Mr. Peter GERMANN	Alternate Delegate
	Mr. Emil GIEZENDANNER	Chairman F5 Subcommittee/ CIAM Flyer Editor
	Mr. Peter GUTKNECHT	Observer
	Mr. Konrad OETIKER	Observer
	Mr. Kurt SAGER	Observer
	Mr. Bernhard SCHADEN	Observer
	Mr. Jurg SCHMITTER	Observer
	Mr. A.E. SWEETLAND	Observer
	Mr. Helmut ZIEGLER	Observer
TURKEY	Mr. Tamer EKINCI	Alternate Delegate
	Mr. Ali IHRAN TUNA	Observer
UNITED KINGDOM	Mr. Nicholas NEVE	Delegate
	Mr. Ian KAYNES	Chairman Free Flight Subcommittee
	Mr. Graham LYNN	Europe Air Sports Member
	Mr. Chris BISHOP	Alternate Delegate
	Mr. Chris BROMLEY	Observer
	Mr. Mike COLLING	Observer
	Ms. Jo HALLMAN	Observer
	Mr. Peter McDERMOTT	Observer
	Mr. G. SHERING	Observer
	Mr. David TAPPIN	Observer
USA	Mr. Bob BROWN	Alternate Delegate/Chairman F3D Subcommittee
	Mr. Horace HAGEN	Chairman F3C Subcommittee
	Dr. Laird JACKSON	Chairman F2 Subcommittee
	Mr. Bill BOGART	Observer
	Mr. Terry EDMONDS	Observer
	Mr. Calvin ETTTEL	Observer
	Mr. Chris LAKIN	Observer
	Mr. Bill LEE	Observer
	Mr. David O'BRYAN	Observer
	Mr. Gordon SCHIMMEL	Observer
	Mr. Daniel TRACY	Observer
YUGOSLAVIA	Ing. Srdjan PELAGIC	Alternate Delegate/Chairman Space Models Subcommittee
FAI	Mr. Max BISHOP	FAI Secretary General
	Mr. Thierry MONTIGNEAUX	FAI Assistant Secretary General
	Ms. Cosette MAST	FAI Executive Secretary
	Ms. Anne-Laure BURRI	FAI Executive Officer
CIAM MEDIA CONSULTANT	Mr. Guy REVEL	

Proxies: San Marino to Italy; Ukraine to Poland.

The President opened the Plenary Meeting on March 21, at 9.15 hours. The Plenary took place, for the third time, in the well-equipped Auditorium of the Olympic Museum in Lausanne; the Technical Meetings in several rooms of the same Museum according to the number of attendees.

Technical Meetings. The number of representatives to attend each Technical Meeting was determined to be: Free Flight 13; Control Line 10; F3A 13; F3B/J 15; F3C 8; F3D 4; Scale 7; F5 Electric 5; Space 7; Information and Education 7.

The Meeting was so adjourned at 16.00 hours, for secret nomination for the positions of the Bureau Officers and Subcommittee Chairmen.

The followings were nominated (in **bold type** the Officers and Chairmen who were immediately declared elected):

President	S. Pimenoff ; P. Chaussebourg (declined); D. Brown (declined); A. Ree (declined); B. Skinner (declined).
1 st Vice President	G. Breiner (declined); P. Chaussebourg; D. Brown; J. Dible (declined), N. Neve; A. Ree.
2 nd Vice President	G. Breiner (declined); P. Chaussebourg; D. Brown; J. Dible (declined), N. Neve; A. Ree.
3 rd Vice President	G. Breiner (declined); P. Chaussebourg; D. Brown; J. Dible (declined), N. Neve; A. Ree.
Secretary	L. Gialanella (elected).
Technical Secretary	N. Neve (declined); B. Samuelsson; B. Underwood; Dorota Wlodarczyk (declined).
French Speaking Secretary	P. Chaussebourg (elected) ; A. Goossens (declined).
Chairman Free Flight Subcommittee	J. Kaynes (elected).
Chairman Control Line Subcommittee	L. Jackson; B. Samuelsson.
Chairman F3A Subcommittee	B. Skinner (elected).
Chairman F3B/J Subcommittee	T. Bartovsky (elected) ; R. Girsberger (declined).
Chairman F3C Subcommittee	H. Hagen (elected).
Chairman F3D Subcommittee	B. Brown; Ed. Smith.
Chairman Scale Subcommittee	N. Jensen (elected).
Chairman F5 Subcommittee	E. Giezendanner (elected).
Chairman Space Subcommittee	S. Pelagic (elected).
Chairman Information And Education Subcommittee	D. Brown ; M. Colling (declined); M. Dilly (declined)

The secret ballots for the positions not elected were immediately resolved on Thursday afternoon with the following results:

1st Vice President: Pierre Chaussebourg (France)

2nd Vice President: Dave Brown (USA)

3rd Vice President: Andras Ree (Hungary)

Technical Secretary: Bob Underwood (USA)

Control Line Subcommittee Chairman: Laird Jackson (USA)

F3D Subcommittee Chairman: Bob Brown (USA)

From 5 p.m. to 6 p.m. on Thursday 21, Dr. Gordon Schimmel, Chairman of AMA Educational Committee, reported on his programmes of model aircraft activities introduced in USA school systems.

On March 22, at 9.15 hours, the President opened the second day of the Plenary Meeting at the Olympic Museum in Lausanne. Delegates from 31 countries (2 proxies) were present.

1) MINUTES OF THE 2001 MARCH BUREAU AND PLENARY MEETING, AND OF THE 2001 DECEMBER BUREAU MEETING: FOR APPROVAL

The UK delegate questioned the decision taken at the 2001 Plenary Meeting concerning the F3D Safety proposal and announced that the U.K. will present a proposal at the 2003 Plenary Meeting for reconsideration. With this comment, the Minutes of the March 2001 Bureau and 2001 March Plenary Meeting were approved as circulated.

Concerning the Minutes of the 2001 December Bureau Meeting, the Swedish delegate submitted a complaint against the decision of the Bureau not to consider for inclusion all proposals not conforming to the requirement of electronic submission. The Swedish delegate has presented a paper, which is enclosed as **Annex 18** to these Minutes. The CIAM Secretary stressed the correctness of the procedure: all Swedish proposals were submitted by fax only, and thus not considered. With these comments the Minutes of the 2001 December Bureau Meeting were approved as circulated.

The CIAM Bureau will consider the procedure for authentication of documents submitted electronically.

2) REPORTS

A. 2001 General Conference, by the FAI Secretary General, Max Bishop.

The FAI Secretary General, Max Bishop, informed the Plenary Meeting about the new FAI members (Albania, United Arab Emirates, Taipei, Uruguay, Peru, Panama and Ecuador) and reported of the working group preparing a new method for determining FAI annual subscriptions: based no more on fixed fees but on active sport persons in each country.

As far as the World Air Games are concerned, the FAI Secretary General said that the FAI General Conference decided to continue with the WAG but to a modified concept: above all a new format concentrating on media attractive events. The 2005 centenary of FAI will be celebrated in Paris.

B. 2001 CASI Meeting, by CASI President, Sandy Pimenoff.

The CIAM and CASI President, Sandy Pimenoff, reported that CASI, as an option, has decided to award with smaller FAI medals the team members and the team managers at World Championships. The Bureau has presented a proposal to make this mandatory in CIAM World Championships.

C. 2001 World Championships, by Jury Chairmen.

Written reports were available for F1A, F1B, F1C (USA), F1E Seniors and Juniors (Poland), F3A (Ireland), F3B Seniors and Juniors (Czech Republic), F3C (USA) and F3D (Australia). Reports can be found at **ANNEX 1** to these Minutes.

D. Subcommittees and CIAM Technical Secretary reports.

Written reports were available for Free Flight, Control Line, R/C Aerobatics, R/C Soaring Glider, R/C Helicopter, R/C Pylon, Scale, R/C Electric, Space, Education and Information. Reports can be found at **ANNEX 2** to these Minutes.

E. Trophies, by CIAM Secretary, Luca Gialanella.

Written report was available and can be found at **ANNEX 3** to these Minutes. Six new trophies were presented at the Plenary Meeting for World Cup winners. Mr. Horst Kropka, organiser of Eurotour, offered four crystal trophies for World Cup winners in classes F5B and F5D: two are perpetual trophies and two are souvenir trophies for the winners. Mr. Marian Jorik, World Cup Space Model coordinator, presented two new perpetual cups for World Cup winners in classes S4B and S9B.

As far as trophies missing for various reason at the 2001 Free Flight World Championships in the USA, the USA delegate, Dave Brown, announced that the AMA will cover shipping expenses for trophies not yet awarded to the winners. The relevant trophies are five:

- F1A Team Trophy (Daumerie Cup), which Slovakia didn't take to USA: the 2001 winning team is Ukraine and the trophy is still in Slovakia;
- F1B Team Trophy (Penaud Cup), which is still in Bosnia-Herzegovina (team refused visas to USA): the 2001 winning team is Sweden;
- F1C Individual Trophy (Victor Tatin Cup), which is still in Bosnia-Herzegovina: the 2001 champion is Mr. Artem Babenko (Ukraine);
- F1C Team Trophies (Franjo Kluz and Kosmonautica Vase), which are still in Bosnia-Herzegovina: the 2001 winning team is Ukraine.

The FAI Office will coordinate the matter with the CIAM Secretary and the USA delegate.

F. 2001 World Cups, by World Cup Coordinators.

Printed reports of all 2001 World Cups were available for Free Flight, Control Line, Thermal Soaring and Duration Gliders, Electric Powered Model Aircraft and Space Models. Reports can be found at **ANNEX 4** to these Minutes.

G. CIAM Flyer, by the Editor, Emil Giezendanner.

The editor, Emil Giezendanner, informed that the CIAM Flyer can be found on the FAI website: [www.fai.org/aeromodelling/CIAM Flyer](http://www.fai.org/aeromodelling/CIAM_Flyer). Antonis Papadopoulos of Greece was appointed joint Editor with Mr. Emil Giezendanner. All Subcommittee Chairmen are invited to prepare a short presentation of their categories to be applicable to the CIAM Flyer site. Support from NACs is fundamental for reports, news and photos.

H. WORLD AIR GAMES 2005, by CIAM President, Sandy Pimenoff.**Report on February FAI Commission Presidents' meeting and preliminary WAG Model Aircraft events proposal.**

The CIAM President, Sandy Pimenoff, reported on the meeting of FAI Commissions' Presidents and FAI Executive Board which took place at the beginning of February. At the moment, the FAI has not yet circulated bidding documents for the 2005 World Air Games. Model Aircraft events adopted are the new Artistic Aerobatics rules for airplanes and helicopters, both flown to music, established last year. In 2001 three contests were organised with these rules and participation of prominent pilots; in 2002 the first international competition will take place in June, in France. The CIAM Media Consultant, Guy Revel, is the driving force of this concept. Investigation continues for two other classes chosen as suitable for WAG: pylon racing (entirely different from F3D and F5D rules) and Indoor. It is however fairly certain that in the 2005 WAG only airplanes and helicopter artistic aerobatics classes will be flown.

The CIAM President also reported on the FAI Grand Prix, created six years ago, which is a full-size aerobatics competition, very popular with spectators and the media. It is designed to please the crowds, aerobatic manoeuvres are flown to music. In March, the

coordinating committee of the FAI Grand Prix decided to open this event to other air disciplines. For CIAM and aeromodelling in general, it is an excellent opportunity to promote our sport at the highest level. There will be three test events this year (Brno, Czech Republic, 16-19 May; Budapest, Hungary, 9-11 August; Motegi, Japan, 1-3 November) where four model aircraft pilots (2 airplane and 2 helicopter) will be invited to attend. If it fits the structure of the show, in Motegi pilots will be six. The CIAM Media Consultant, Guy Revel, is to contact the best pilots available: they will be sponsored by aeromodelling firms and money prizes are planned for the winners. The Plenary Meeting empowered the CIAM Bureau to grant funds to cover extra expenses, if needed, and unanimously approved participation in the FAI Grand Prix. An interim report on these events will be presented at the 2002 December Bureau Meeting.

3) GENERAL ITEMS

A. VOTING PROCEDURE FOR PLENARY MEETINGS.

The voting procedure (for, against, abstentions and not voting) was explained to the delegates. The need for an absolute majority vote for an item to be passed was emphasized.

B. JUDGES AND SUBCOMMITTEES LISTS, FOR APPROVAL.

List of nominations for Judges and Subcommittees were presented and approved. The Judges List is at **ANNEX 5** to these Minutes; the Nominations for Technical Subcommittees are at **ANNEX 6**.

C. FAI-CIAM MEDALS AND DIPLOMAS.

- a) **The FAI Aeromodelling Gold Medal** was awarded to Mr. Srdjan PELAGIC (Yugoslavia)
- b) **The Alphonse Penaud Diploma** was awarded to Mr. Kazuyuki SENSUI (Japan)
- c) **The Andrei Tupolev Medal** was awarded to Mr. Michal ZITNAN (Slovakia)
- d) **The Andrei Tupolev Diploma** was awarded to Mr. Robert WHITE (USA)
- (e) **The Antonov Aeromodelling Diploma** was awarded to Mr. Miodrag CIPCIC (Yugoslavia)
- (f) **The Frank Ehling Diploma** was awarded to Mr. Aleksandar STOJANOVIC (Yugoslavia)

These awards require formal approval by the FAI and will be presented at the next FAI General Conference.

D. AEROMODELLING FUND - Budget 2003

The Budget for 2003 was unanimously approved by the Plenary Meeting as proposed by the Bureau.

According to this Budget, the Aeromodelling fund will cover expenses for FAI medals at the World Championships for Juniors.

E. SPORTING CODE, report by Technical Secretary, Bob Underwood.

The Sporting Code Edition 2002 was recently published on the FAI website (www.fai.org) with the new amendments.

The system for updating the Sporting Code in the future was defined as follows:

- a) cover page with a summary of amendments;
- b) double lines in the margin to indicate amendments;
- c) two weeks on the web for final checking by Bureau members and Subcommittee Chairmen;
- d) subsequently automatic publishing of the volume by the FAI Office.

F. BUREAU PROPOSALS.**Volume ABR, Section 4A, CIAM Internal Regulations. Paragraph A.6.**

i) A.6.1.a) - Delete the words "page number" and replace with " Volume ".

Unanimously approved by the Plenary Meeting – Effective 2003.

ii) A.6.1.e) – Delete entire item.

Unanimously approved by the Plenary Meeting – Effective 2003.

Volume ABR, Section 4A. Paragraph A.12, Effective Date of Rule Changes

Move the following sentences and paragraphs to A.6.1. and renumber:

The sentence <All technical amendments must be accompanied by supporting data> - move to A.6.1. as **new item (e)**.

The sentence <All rule proposals, guides and whatever items accepted for the Agenda must be made available in electronic form to facilitate compilation of the Agenda> - move to A.6.as a **new item (g) deleting the word "also"**.

The sentence <Amendments to rules changes not yet implemented will not be accepted> - move to A.6.1 as **new item (h)**.

For clarity purposes, the above changes would create a **new A.6.1 by combining parts of A.12 as follows:**

- A.6.1. Each proposal must conform.
- (a) State the volume in the Sporting Code.
 - (b) Quote the relevant paragraph.
 - (c) Detail exactly what the alteration.
 - (d) Give the reason (s) behind.
 - (e) All technical amendments must.
 - (f) Submit any and all proposals.
 - (g) All rule proposals, guides.
 - (h) Amendments to rule changes.

Unanimously approved by the Plenary Meeting – Effective 2003.

Volume ABR, Section 4A, Part One – CIAM Internal Regulations

Add at the end of paragraph A.12 (Effective date of rule changes)

<Under normal circumstances, in step with the four year cycle of the rule change procedure, a Technical Meeting will be held at the Plenary Meeting during each year there is a World Championship in that category (see the chart of the World Championships above).

In case of emergency, safety proposals or issues considered urgent by the Subcommittee Chairman, the Chairman is entitled to schedule an interim meeting>.

The Plenary Meeting approved the principle (17 for, 5 against, 1 abstention and 4 not voting) and then the proposal as amended by the Control Line technical meeting and presented above: 19 for, 3 against, 2 abstentions, 6 not voting. Effective 2003.

Volume ABR, Section 4B. Paragraph B.2, Types of International Contests

Add a new sub-paragraph B.2.7. **Open Nationals and International Series.**

<The responsibility for the event shall be that of the NAC of the country where the event takes place. The participants must have a valid FAI license. A sanction fee of CHF 50 is required for listing in the FAI Contest Calendar>.

The Plenary Meeting approved the proposal: 27 for, 1 against, 0 abstentions, 2 not voting. Effective 2003. For the year 2002, the 3-month in advance rule for listing in the FAI calendar as defined in the Sporting Code will be waived.

Volume ABR, Section 4B. Paragraph B.6, Contest Information and Entry Fees

Add the following sentence at the end of sub-paragraph B.6.2

<In the event a person is serving in more than one position (team manager, competitor, helper, mechanic, etc.), he/she will be charged only one fee, that which represents the highest fee of those positions to be served>.

The Plenary Meeting approved the proposal: 28 for, 2 against, 0 abstention, 1 not voting. Effective 2003.

Volume ABR, Section 4B, General Rules for International Contests. From paragraph B.7, Special Contest Organisation Requirements, to paragraph B.13, FAI Championship Trophies

Reorganise B.7, B.8, B.9, B.10, B.11, B.12, B.13, B.14, B.15, B.16 and B.17 with inclusion of some requirements which can be found in 2.2 and 2.3 (Organisation of international contests).

The complete wording is at ANNEX 7 to these Minutes.

Unanimously approved by the Plenary Meeting – Effective 2003.

Volume ABR, Section 4B, General Rules for International Contests. Paragraph B.12.2, International Team Classification

Add a second sentence in paragraph B.12.2.b):

<In addition, organisers are encouraged to provide smaller FAI-produced gold, silver and bronze medals to the first, second and third place team members and team manager. The cost to be borne by the organiser>.

The Plenary Meeting approved the proposal: 29 for, 0 against, 0 abstention, 1 not voting. Effective 2003.

Volume ABR, Section 4B, General Rules for International Contests. Paragraph B. 17, FAI Championship Trophies - Paragraph B.17.5.f), add at the end of the paragraph:

The proposal was withdrawn.

4) SPORTING CODE PROPOSALS

<p style="text-align: center;">VOLUME ABR – GENERAL RULES FOR CIAM ACTIVITIES</p>
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Section 4A - CIAM Internal Regulations

- a) Paragraph A.3. Bureau – France. Add a new sentence at the end of A.3.1:

The proposal was referred to the Information and Education Subcommittee. The Plenary Meeting, with a positive vote (16 for, 3 against, 7 abstentions, 4 not voting), gave its approval to the CIAM Media Consultant to continue his services until the opinion of the Subcommittee has been received, and with a unanimous second vote appointed Mr. Guy Revel as CIAM Media Consultant.

- b) Paragraph A.4 Subcommittees – United Kingdom. Add a new paragraph at the end of A.4.3:

<The Subcommittee Chairmen must publish on the official FAI website a list of the members of his committee by 1st May of every year>.

Unanimously approved by the Plenary Meeting – Effective 2003.

Section 4B - General Rules For International Contests

- a) B. 3. 6. Team Manager - Czech Republic. Change the first paragraph as follows:

<...in the case of disputes and protests and must be obligatory for World and Continental Championships. As a team manager can be nominated the other member of the officially entered national team>.

Unanimously approved by the Plenary Meeting – Effective 2003.

- b) B. 6. Contest Information and Entry Fees

- i) B. 6. 2. - Czech Republic - Add at the end of the paragraph:

The proposal was withdrawn.

- ii) B. 6. 2. Greece – Add the end of the paragraph:

<When a competitor is acting as Team Manager as well, he/she is entitled to pay only one time the entry fee. Unless otherwise specified, he/she will have to pay the most expensive one>.

The above proposal was withdrawn.

<If on the same event, there is senior and junior classification, any junior competitor may be a member of the senior's team as well. In that case this competitor is required to pay only the entry fee for the junior's class>.

Unanimously approved by the Plenary Meeting – Effective 2003.

Section 4C – Model Aircraft - General regulations and rules for contests and records

Part One – General Regulations for Model Aircraft

- a) 1.3.2. Category F2, Control Line Circular Flight – F2 Subcommittee

The proposal was referred to the Control Line Subcommittee.

Part Seven - Records

- a) 7.1.2. Holder (s) of Records - USA. Delete the last sentence:

~~<In the case of a team effort, the team shall comprise a maximum of three persons>.~~

The proposal was approved by the Plenary Meeting: 12 for, 2 against, 7 abstentions, 7 not voting. Effective 2003.

- b) 7.2.8 Assistant Pilots – USA. Delete the whole paragraph:

The proposal was withdrawn.

VOLUME F1 - SECTION 4C - MODEL AIRCRAFT F1 FREE FLIGHT

Part Three - Technical Regulations For Free Flight Contests

3.1. CLASS F1A - GLIDERS

- a) 3.1.11. Launching Devices - France

Change paragraph c) as follows:

<To facilitate observation and timing, the cable must be equipped with a pennant, **having rectangular shape of a minimum area of 2,5 dm² and the smallest side of at least 5 cm**, attached directly to the main cable>.

The rule also applies to category F1H in paragraph 3.H.11.c.

Unanimously approved by the Plenary Meeting – Effective 2003. This rule will apply as local rule at the 2002 European and World Junior Championships: organisers will include this statement in the bulletins.

ANNEX – RULES FOR WORLD CUP EVENTS – FF WORLD CUP

- a) Establish new World Cup events for classes F1A and F1E Junior

- i) France - Change paragraph 1. (Classes) as follows:

<The following separate classes are recognised for World Cup competitions: F1A, F1B, F1C, F1E, F1A junior and F1E junior>

- ii) France - Paragraph 2. (Competitors). Add the following sentence at the end of the paragraph:

<Only Junior competitors are eligible for the F1A Junior and the F1E Junior World Cup>

iii) France - Paragraph 4. Points allocation.

Change the following sentence in sub-paragraph 3:

<The bonus points are calculated as 1 point per 20 people beaten in F1A, 1 point per 10 people beaten in F1B or F1E, 1 point per 5 people in F1C, **F1A Junior and F1E Junior**>

iv) France - Paragraph 4. Points allocation

Add a new sub-paragraph d) as follows:

<**For F1A Junior and F1E Junior, points are awarded according to Junior classification**>

All unanimously approved by the Plenary Meeting – Effective 2003.

CLASS F1K – MODELS WITH CO2 ENGINES (Provisional class)

a) 3.K.2. Characteristics – Austria. Amend as follows:

Maximum volume of the CO2 tank(s).....2 cm³

b) 3.K.5. Definition of an Unsuccessful Attempt – Austria. Change paragraph d) as follows:

d) If, after the begin of the waiting time (see 3.K.8.b) until the end of the official flight, the motor adjustment or thermal condition of the tank is changed or influenced by any physical intervention.

c) 3.K.8 Classificationi) Austria – 3.K.8.b). Amend the second paragraph as follows:

b) In the first deciding round, the motor must be started, then the competitor must wait with running motor for 60 or 120 seconds (defined by the organiser prior to the round), until the timekeepers give a sign to launch the model. The timing of the flight begins when the model is launched. In each further additional flight, the waiting time will be increased by 60 or 120 seconds (defined by the organiser prior to the round) over the waiting time of the previous round.

ii) Austria – 3.K.8.c). Amend as follows:

The organiser will establish a **15** minute period
Within these **15** minutes

All unanimously approved by the Plenary Meeting – Effective 2003.

NEW CLASS F1P – MODEL AIRCRAFT WITH PISTON MOTORS (Provisional class)

3.P.1. Definition

A model aircraft in which the energy is provided by a piston type motor and in which lift is generated by aerodynamic forces acting on surfaces remaining fixed in flight, except for changes in camber or incidence.

3.P.2.Characteristics of Model Aircraft with Piston Type Motors

Minimum projected wing surface area26 dm²

Maximum projected wing span.....1.5m

Minimum total weight250 g

Maximum duration of motor run10 seconds from release of model.

Maximum swept volume of motor(s)1,00 cm³

Only one change may be made to the wing or tail incidence or camber during the flight before dethermalising.

No extensions whatsoever are allowed to the exhaust opening(s) of the motor(s).

The motor must drive the propeller directly, no gears allowed

Mechanical brakes are not allowed for stopping the motor.

Fuel constituents are not restricted.

The number of models eligible for entry by each competitor is four.

Rule B.3.1. of Section 4b does not apply to class F1J.

3.P.3.Number of Flights

a) Each competitor is entitled to seven official flights.

b) Each competitor is entitled to one official flight in each round of the event. The duration of the rounds must be announced in advance and may not be less than 30 minutes or greater than 90 minutes.

3.P.4 (as F1J)**3.P.5.Definition of an Unsuccessful Attempt**

An attempt is classed as unsuccessful if the model aircraft is launched and at least one of the following events occur. If this happens on the first attempt, then the competitor is entitled to a second attempt.

a) The flight duration is less than 20 seconds.

b) The motor run exceeds 10 seconds from the release of the model.

c) A part of the model becomes detached during the launch or during the flight time.

3.P.6 (as F1J)**3.P.7.Duration of Flights**

The maximum duration to be taken for each official flight is to be three minutes. In the event of exceptional meteorological conditions or model recovery problems, the Jury may permit the maximum for a round to be changed. Such a modified maximum must be announced before the start of the round.

3.P.8**3.P.9****3.P.10****3.P.11 (other paragraphs like F1J)**

This proposal was presented at the Plenary Meeting as a Bureau Proposal and approved: 19 for, 0 against, 0 abstention, 11 not voting.

The F1P category, which has the status of provisional class, will substitute for the F1J class in World and Continental Championships for Juniors. Effective 2003. The class will be flown at the next 2003 European Championships in Poland.

The class F1J remains in force as a provisional class for open international competitions.

VOLUME F2 - SECTION 4C - MODEL AIRCRAFT F2 CONTROL LINE

Part Four: Technical Regulations for Control Line Contests

4.2. CLASS F2B – AEROBATIC MODEL AIRCRAFT

- a) Update rules and diagrams for Class F2B Aerobatic Model Aircraft – Subcommittee

The proposal was referred to the C/L Subcommittee.

- b) 4.2.4. Line Tests to be made before each attempt for an official flight – Subcommittee.

Replace 2nd paragraph with:

<Before each contestant is officially called to fly, a test load of 10 times the total weight of the model without fuel shall be evenly and smoothly applied once only to the assembled control handle, lines and model. The load used in this test shall be accurate within a tolerance of plus 0%/minus 10% and shall be applied to the control handle in such a way that the test load is evenly distributed between both flight lines/cables throughout the complete test>.

Approved by the Plenary Meeting: 28 for, 0 against, 2 abstentions, 1 not voting. Effective 2003. This rule will apply as local rule at the 2002 World Championships in Germany: organisers will include this statement in the bulletins.

- c) 4.2.16.1. Starting - Subcommittee

The proposal was referred to the C/L Subcommittee.

ANNEX 4B – CLASS F2B JUDGES' GUIDE

- a) Annex 4B – Judges' Guide – Subcommittee

The proposal was referred to the C/L Subcommittee.

ANNEX 4C – CLASS F2C TEAM RACE JUDGES' GUIDE

- a) ANNEX 4C – Subcommittee

**Replace the present Judges' Guide with the new Judges' Guide
The document is at ANNEX 8 to these Minutes.**

Unanimously approved by the Plenary Meeting. Effective 2003. This rule will apply as local rule at the 2002 World Championships in Germany: organisers will include this statement in the bulletins.

4.4.CLASS F2D - COMBAT MODEL AIRCRAFT

- a) 4.4.15. Cancellation of the Flight - Belgium. Add a new paragraph 4.4.15.x):

x) **<If, during a line tangle where one or more models remain airborne, his mechanic(s) enters the flying circle without explicit permission of the circle marshall>.**

Unanimously approved by the Plenary Meeting. Effective 2003. This rule will apply as local rule at the 2002 World Championships in Germany: organisers will include this statement in the bulletins.

ANNEX 4E – CONTROL LINE ORGANISERS' GUIDE

- a) Paragraph 6.5.3. Team Racing – Subcommittee. Change 6.5.3.1. as follows:

6.5.3.1: The centre circle and the flight circle shall be marked (painted) on the ground **in a colour having a high contrast to the ground**, according to Sp. C. Volume F2, para. 4.3.2. The circle lines shall be 10 cm wide. The radii are: Centre circle, 3,0-3,1 m; Flight circle, 19,5-19,6 m. The centre of the centre circle shall be marked with **a spot of 0,3 m diameter in the same colour as the circles.**

Unanimously approved by the Plenary Meeting. Effective 2003. This rule will apply as local rule at the 2002 World Championships in Germany: organisers will include this statement in the bulletins.

ANNEX 4G – CLASS F2F (provisional class) – Diesel Profile Racing Model Aircraft

- a) ANNEX 4G: Establish a new provisional class F2F - Subcommittee

**Add a new provisional rule to Volume F2: class F2F
The whole file is at ANNEX 9 to these Minutes.**

**Approved by the Plenary Meeting: 24 for, 2 against, 0 abstentions, 5 not voting.
Effective 2003.**

VOLUME F3A - RADIO CONTROL AEROBATICS

Part Five - Technical Regulations for Radio Controlled Contests

CLASS F3A - AEROBATICS POWER MODEL AIRCRAFT

- a) 5.1.8. Marking – Czech Republic

The proposal was referred to the Subcommittee.

- b) 5.1.13. Schedule of Manoeuvres - Subcommittee

Replace entire paragraph with new proposed manoeuvre schedules for the years 2004 to 2007.

The list of manoeuvres is at ANNEX 10 to these Minutes.

Unanimously approved by the Plenary Meeting. Effective 2004.

- c) ANNEX 5A. F3A Description of Manoeuvres for RC Aerobatics - Subcommittee
Replace entire Annex 5A with new proposed annex, containing descriptions of new manoeuvres for the years 2004 to 2007.
The description of new manoeuvres is at ANNEX 11 to these Minutes.
Unanimously approved by the Plenary Meeting. Effective 2004.
- d) ANNEX 5A. F3A Aresti drawings - Subcommittee
Replace existing Aresti drawings of manoeuvre schedules (annexed to Annex 5A) with new drawings for schedules P-05, P-07, F-05 and F-07, as well as the drawings of the Aresti symbol explanations.
The new Aresti drawings are at ANNEX 12 to these Minutes.
Unanimously approved by the Plenary Meeting. Effective 2004.
- e) ANNEX 5B – Judges’ Guide - Subcommittee
Replace entire Annex 5B, Judges’ Guide with the new one, which is at ANNEX 13 to these Minutes.
Unanimously approved by the Plenary Meeting. Effective 2003.
- f) ANNEX 5C – F3A World Cup - France
The proposal was referred to the Subcommittee.

<p style="text-align: center;">VOLUME F3B J - SECTION 4C - MODEL AIRCRAFT F3B THERMAL SOARING F3J THERMAL DURATION GLIDERS</p>

Part Five – Technical Regulations for Radio Control Contests

5.3. CLASS F3B - THERMAL SOARING MODEL AIRCRAFT

- a) 5.3.1.3 Characteristics of Radio Controlled Glider F3B - Greece
The proposal was withdrawn.
- b) 5.3.2.2. Launching - CIAM Bureau
Add the following text after the first sentence:

5.3.2.2.a(2)a

<The starter motor must come from serial production. It is allowed to fit the arbour of the rotor with ball or needle roll bearings at each end. The drum must be driven directly by the motor. Any further change of the original motor will lead to disqualification according to paragraph B.16.1>.

Unanimously approved by the Plenary Meeting – Effective 2003.

5.6. CLASS F3J - THERMAL DURATION GLIDERS

- a) 5.6.1.3. Characteristics of Radio Controlled Gliders F3J - Greece

The proposal was withdrawn.

- b) 5.6.8. Launching – Germany - Change paragraph 5.6.8.3. as follows:

5.6.8.3. a) Tow persons are allowed no mechanical aids, other than pulleys, to facilitate towing but may use a hand reel (hand winch) to recover the towline after launching is complete.

b) Immediately after release of the model aircraft from the launching cable, without delay the towline helpers must either recover the towline on a hand reel (hand winch) or, when a pulley is used, they must continue to pull the towline until it is completely removed from the towing area in order to avoid crosscutting with other lines which are still in a state of towing or will be used for towing.

- c) If towing with a pulley, behind the pulley an unbreakable shield with diameter of minimum 15cm must be fixed to protect the towing **helpers** against broken whipping line ends.

In the case of towing with a pulley, two helpers have to operate at the pulley and one of the following preventive measures must be taken:

- The pulley and protective shield must be connected to a 5mm minimum diameter cord arranged in a V, the arms of which must have a length of 1,5 to 3,0m and with hand loops on each end; or

- **The pulley and protective shield must be connected** to the centre of a sufficiently strong yoke of minimum 80cm length with handholds at each end.

In the case of towing with a pulley, the towline end must be attached to a ground anchor, which is fixed by metal ropes to two additional safety pins. The length of the main stake must be at least 50 cm from the towline linkage. The safety stakes must be at least 30 cm long. The main stake must be driven into the ground to a depth at least 40 cm. The towline linkage must not exceed 10 cm above the ground. The ground anchor-dimensions and its setup could look like as shown in the drawing "Guideline for proven ground anchor setup".

Approved by the Plenary Meeting: 26 for, 0 against, 0 abstention, 4 not voting. Effective 2003: this rule will apply as local rule at the 2002 World Championships in Finland and organisers will include this statement in the bulletins. (See also drawings at ANNEX 14 to these Minutes)

- c) 5.6.8. Launching – Czech Republic. Change paragraph 5.6.8.3.c) as follows:

The proposal was withdrawn.

- d) 5.6.8.7. Towlines – Czech Republic. Add at the end of paragraph 5.6.8.7.c):

The proposal was withdrawn.

5.K. CLASS F3K - HAND LAUNCH R.C. GLIDERS (Provisional Rules)

- a) 5.K.2. Definition of Model Aircraft – Germany. Add the following two sentences at the end of the paragraph:

<Para B3.1 of section 4 b (builder of the model aircraft) is not applicable to class F3K>.

<Any ballast must be inside of the model and must be fixed safe>.

Unanimously approved by the Plenary Meeting – Effective 2003.

5.L. CLASS F3L – R.C. HOT AIR BALLOON (Provisional Rules)

- a) New category F3L Hot Air Balloon - France

The proposal does not fit in the RC Soaring Subcommittee but it was decided to continue working on that. The CIAM recommends the CASI to amend the General Section in order to include aerostat models in section F. France will present a proposal at the next Plenary Meeting.

VOLUME F3D - SECTION 4C - F3D PYLON RACING**Part Five - Technical Regulations for Radio Control Contests****5.2. CLASS F3D - PYLON RACING MODEL AIRCRAFT**

- a) 5.2.1. Definition of Radio Control Pylon Racing Model Aircraft – Subcommittee. Add this sentence at the last paragraph:

The proposal was withdrawn.

- b) 5.2.3. Shut-Off - Subcommittee. Delete the first sentence of the paragraph

~~The engine shall be equipped with a positive radio-controlled shut-off.~~

Unanimously approved by the Plenary Meeting – Effective 2003.

- c) 5.2.5. Propeller Spinner – Subcommittee.

Delete the word metal from the first sentence, to read:

<A rounded nose ~~metal~~ spinner of at least 25 mm diameter must be fitted>.

Unanimously approved by the Plenary Meeting – Effective 2003.

- d) 5.2.6.3. Landing Gear - Subcommittee

Delete the following in the second sentence:

~~<The minimum diameter of the main wheels shall be 57 mm and the minimum width of the wheel or wheel spat or wheel pant shall be 12mm for at least 1/3 of the diameter>.~~

Unanimously approved by the Plenary Meeting – Effective 2003.

- e) New paragraph 5.3. F3D Euro Cup Event - Subcommittee

Create an F3D Euro Cup Event

Rules are at ANNEX 15 to these Minutes.

Approved by the Plenary Meeting: 13 for, 6 against, 0 abstention, 11 not voting. Effective 2003.

VOLUME F4 - FLYING SCALE MODEL AIRCRAFT

F4B, CONTROL LINE SCALE

F4C, RADIO CONTROL SCALE

Part Six - Technical Rules for Flying Scale Model Aircraft Contests

- a) 6.1.4. Judges
- i) United Kingdom - Change the 4th sub-paragraph as follows:
The proposal was withdrawn.
- ii) Subcommittee - Change the 6th sub-paragraph as follows:
 <Within each panel of judges (Static or Flying), there must be a common language>.
Unanimously approved by the Plenary Meeting – Effective 2003.
- iii) Subcommittee – Change the 8th sub-paragraph as follows:
 <When using two separate panels for static judging, the organiser is allowed to use two judges of the same nationality, **one in the static panel and one in the flight judges panel**>.
Unanimously approved by the Plenary Meeting – Effective 2003.
- b) 6.1.9.4.d. Aircraft Speed – USA. Change the paragraph as follows:
The proposal was referred to the Subcommittee.
- c) ANNEX 6D - Subcommittee
The proposal was referred to the Subcommittee.

CLASS F4B – CONTROL LINE FLYING SCALE MODEL AIRCRAFT

- a) 6.2.1. General Characteristics
- a) Subcommittee – Amend as follows:
- b) Maximum thrust for a turbine motor shall be: 10 kg.
Unanimously approved by the Plenary Meeting – Effective 2003.
- ii) Subcommittee – Amend as follows:
Change subsection b) to subsection c):
Unanimously approved by the Plenary Meeting – Effective 2003
- b) 6.2.3. Official Flights – USA. Change as follows:
C. iii) An official flight is terminated when the model aircraft lands and stops, except during options 6.2.7.J (Touch and Go) and 6.2.7.O (Taxi Demonstration).
Unanimously approved by the Plenary Meeting – Effective 2003
- c) 6.2.11. Flying Area - Subcommittee
 Delete the first four sub-paragraphs to read:
Contest organisers should clearly mark the following circles on the ground:
- 1. The pilot's circle, radius 1,5 metres**
 - 2. The penalty circle, radius 3 metres**
 - 3. The flying area circle, radius 26 metres**
 - 4. The safety area circle, radius 29 metres**
- In addition, contest organisers should provide a minimum ...etc ...
Unanimously approved by the Plenary Meeting – Effective 2003

CLASS F4C – RADIO CONTROLLED FLYING SCALE MODEL AIRCRAFT

- a) 6.3.1. General Characteristics – USA. Change as follows:

The proposal was withdrawn.

- b) 6.3.7. Optional Demonstrations

- i) Subcommittee - Amend first paragraph to read:

The proposal was withdrawn.

- ii) USA – Change last sentence at the end of the first paragraph:

The proposal was withdrawn.

- c) 6.3.8. Marking (flight points) – Subcommittee

Amend the third paragraph as follows:

<There shall be a Flagman at the site to indicate by visual and acoustic signal if and when the model aircraft **crosses the Judges Line**. If this happens before a manoeuvre is completed, ZERO points shall be given for this manoeuvre. **Exceptions from this rule are manoeuvres 6.3.6.1. take-off, 6.3.6.10 landing and 6.3.7.m. touch & go. These manoeuvres have the right to be performed into the wind as long as they do not over-fly the spectator area. Spectators being anyone else than the competitor, helper and officials at the flight line**>.

Unanimously approved by the Plenary Meeting – Effective 2003.

ANNEX 6A – CLASS F4 – JUDGES’ GUIDE FOR STATIC JUDGING

- a) 6.A.1. General – Subcommittee - Amend the third paragraph as follows:

The proposal was referred to the Subcommittee.

ANNEX 6B - CLASS F4B - JUDGES’ GUIDE, C/L SCALE FLYING SCHEDULE

- a) 6B.1. General

- i) Subcommittee – Change the 7th paragraph as follows:

<In the interest of safety, any manoeuvre that is carried out when the Competitor steps outside the 1,5 metre radius Pilot’s circle will carry a warning by the Circle Marshal to the Competitor, but no penalty. If the Competitor steps outside the 3 metre radius Penalty Circle, the manoeuvre will score ZERO>.

Unanimously approved by the Plenary Meeting – Effective 2003.

- ii) United Kingdom – Change the 7th paragraph as follows:

The proposal was withdrawn.

- iii) Subcommittee – Add at the end of the last paragraph:

<After each flight, the Chief Judge will record any non-standard event that causes downgrading or loss of flights points. As examples: missed figures, figures flown out of order, out of flight time, stepping outside the penalty circle, missing dummy pilot or crash landing, etc>.

Unanimously approved by the Plenary Meeting – Effective 2003.

- iv) Czech Republic – Add at the end of the last paragraph

The proposal was withdrawn.

- b) 6.B.2.7.d Dropping of Bombs or Fuel Tanks – USA. Change the paragraph as follows:
<If bombs are carried internally and the aircraft subject type is fitted with bomb-bay doors, they must open before bombs are dropped and close after the bombs are released>.
Unanimously approved by the Plenary Meeting – Effective 2003.

ANNEX 6C – CLASS F4C – JUDGES’ GUIDE – F4C FLYING SCHEDULE

- a) 6C.1. General
- i) Subcommittee - Add at the end of the last paragraph:
<After each flight, the Chief Judge will record any non-standard event that causes downgrading or loss of flights points. As examples: missed figures, figures flown out of order, out of flight time, stepping outside the penalty circle, missing dummy pilot or crash landing>.
Unanimously approved by the Plenary Meeting – Effective 2003.
- ii) Czech Republic – Add at the end of the last paragraph:
The proposal was withdrawn.
- b) 6C.3.6.11. Realism in Flight
- i) United Kingdom - Delete the first sentence in the first paragraph:
~~<This should be discussed by all judges after completion of the flight and they should attempt to arrive at an agreed score for each item.~~ Realism in Flight covers the entire flight performance including the way in which the model flies between manoeuvres>. **Unanimously approved by the Plenary Meeting – Effective 2003.**
- ii) USA – Replace paragraph <Speed of the model Aircraft> with the following:
The proposal was withdrawn.
- c) 6.C.3.7. Optional Demonstrations - USA
The proposal was withdrawn.

VOLUME F5 – R.C. ELECTRIC POWERED MODEL AIRCRAFT

Part five – Technical regulations for Radio Controlled Contests

- a) 5.5.1. General Rules
- i) 5.5.1.1. Definition of Electric Powered Model Aircraft – Subcommittee. Amend as follows:
 <Model aircraft in which lift is generated by aerodynamic forces acting on surfaces remaining fixed in flight except control surfaces, **or by rotating surfaces in case of helicopters**, and which performs manoeuvres controlled by the pilot on the ground, using radio control. The powerpack for the electric motor may not have any fixed connection to the ground or another model aircraft in the air. Recharging of the powerpack during flight by solar cells is permitted>. **Unanimously approved by the Plenary Meeting – Effective 2003.**

- ii) 5.5.1.3. General Characteristics of RC Electric Powered Model Aircraft F5 - Subcommittee. Amend as follows:

For helicopters see para 5.5.5.3.

Maximum total area 150 dm²

Maximum weight 5 kg

Loading 12 to 75 g/dm²

The power source shall consist of NiCd **or NiMH** cells only, the maximum no load voltage must not exceed 42 volts. In case the voltage is measured, this shall be done at the moment the preparation time for the pilot starts. After the measurement has been taken, the pilot is allowed 5 minutes preparation time as per 5.5.2.4.

Unanimously approved by the Plenary Meeting – Effective 2003.

- b) 5.5.2. Contest Rules

- i) 5.5.2.1. Definition of an Official Flight - Subcommittee.
Amend sub-paragraph a)

a) **The competitor cannot complete a flight due to outside interference verified by the organisers.**

Unanimously approved by the Plenary Meeting – Effective 2003.

- ii) 5.5.2.2. Cancelling of a Flight and Disqualification - Subcommittee. Amend sub-paragraph b)

b) **If the model aircraft loses any part during the flight time, except during landing (i.e. contact with the ground or another obstacle) or during the flight due to a collision with another model.**

Unanimously approved by the Plenary Meeting – Effective 2003.

CLASS F5A – ELECTRIC POWERED AEROBATICS MODEL AIRCRAFT

- a) 5.5.3.1. General – Subcommittee. Change as follows:

<These rules for contests with electric powered aerobatic model aircraft will use the advantages and peculiarities of the electric powered propulsion. Those contests could take place near settlements p. e. on sportfields and recreation areas ~~and would be easier to visit by spectators~~>.

Unanimously approved by the Plenary Meeting – Effective 2003.

- b) 5.5.3.1.1 Organisation of F5A Contests.

- i) Subcommittee - Amend paragraph 5.5.3.1.1.a) as follows:

a) **Starting Order** - The **starting** order for the first round will be established by random draw. The **starting** order for the second round will follow the inverted ranking list. In each case, frequency will not follow frequency and team members will be separated by at least one competitor. The **starting** order for the final round will be established by a second random draw.

Unanimously approved by the Plenary Meeting – Effective 2003.

- ii) Subcommittee - Amend paragraph 5.5.3.1.1.b) as follows:

b) **Number of Flights** - Competitors will have two preliminary flights with the same schedule. After the two preliminary rounds, the top ten on the ranking list, **or the first third of the competitors in the ranking list, whichever is less**, will fly with a different schedule two final rounds.

Unanimously approved by the Plenary Meeting – Effective 2003.

- iii) Subcommittee - Amend paragraph 5.5.3.1.1.g) as follows:

g) **Classification** – ~~Each round will be normalised to 1000 points.~~ The addition of the average of the two preliminary rounds and the average of the two final rounds will count for the final classification.

Unanimously approved by the Plenary Meeting – Effective 2003.

- c) 5.5.3.5 Manoeuvres - Subcommittee

Include the new synopses. The details of new manoeuvres are at ANNEX 16 to these Minutes.

Unanimously approved by the Plenary Meeting – Effective 2003.

- d) 5.5.3.6. F5A Aerobatics box - Subcommittee

Include the new drawing of the box. The F5A Aerobatics Box is at ANNEX 17 to these Minutes.

Unanimously approved by the Plenary Meeting – Effective 2003.

CLASS F5B – ELECTRIC POWERED MOTOR GLIDERS

- a) 5.5.4.2. Course Layout and Organisation

- i) Belgium - 5.5.4.2.b

Add the following between commas, after the words "10m in diameter":
<or a tape or line with marks at the same distances>.

Unanimously approved by the Plenary Meeting – Effective 2003.

- ii) Subcommittee - 5.5.4.2.b. Change as follows:

The proposal was withdrawn.

- b) 5.5.4.4. Launching - Subcommittee

Change paragraph b) as follows:

- b) The launch will occur ~~outside the course~~, within 10 m from Base A;

Unanimously approved by the Plenary Meeting – Effective 2003.

- c) 5.5.4.5. Distance Task - Subcommittee

- i) Amend as follows:

5.5.4.5.a) This task begins when the model aircraft releases handlaunched and ends after 200 sec. ~~must be completed within 200 seconds from the moment the model aircraft aircraft is handlaunched.~~ Time of release is to be taken by one timekeeper.

This first part was withdrawn.

This task must be carried out with at least two climbs with motor running however no more than ten climbs with the motor running are allowed. **No points will be awarded for the legs completed after an eleventh or more climb with motor running.**

- 5.5.4.5.e) Change the second sub-paragraph:**

During the scoring in this task, flying with any part of the model aircraft on the forbidden side of the safety plane will give zero points for the whole flight, distance and duration.

Unanimously approved by the Plenary Meeting – Effective 2003.

- d) 5.5.3.A F5B contest site layout – Subcommittee

This item must be changed to 5.5.4.2.A

Unanimously approved by the Plenary Meeting – Effective 2003.

CLASS F5C – ELECTRIC POWERED HELICOPTERS

a) 5.5.5.4 - Subcommittee

The paragraph requires a title: **Contest site layout.**

Unanimously approved by the Plenary Meeting – Effective 2003.

b) 5.5.5.6. Number of model aircraft - Subcommittee

The proposal was withdrawn.

c) 5.5.5.14 Performance of the Schedules – Subcommittee.

Amend as follows the fourth sub-paragraph:

<The pilot must execute each announced manoeuvre only once during a flight. The name (number) and start and finish of each manoeuvre must be announced by the competitor or his caller. A manoeuvre performed out of sequence will result in a zero score for that manoeuvre ~~and all remaining manoeuvres~~>.

Unanimously approved by the Plenary Meeting – Effective 2003.

CLASS F5D – ELECTRIC POWERED PYLON RACING MODEL AIRCRAFT

a) 5.5.6.1.2. Definition of Radio Controlled Electric Powered Pylon Racing Model Aircraft - Subcommittee

Change as follows:

<~~Model aircraft in which the propulsion energy is provided by an electric motor and in which the lift is obtained by aerodynamic forces acting on surfaces which remain fixed in flight except for the control surfaces~~>.

Unanimously approved by the Plenary Meeting – Effective 2003.

b) 5.5.6.2. Technical Specifications

i) Subcommittee - 5.5.6.2.1. Change as follows:

<~~All types of electric motors are allowed.~~ The motor(s) must be **controlled** by radio control and the competitor must provide a means to short or cut the electrical motor leads>.

Unanimously approved by the Plenary Meeting – Effective 2003.

ii) Subcommittee - 5.5.6.2.2. Battery. Change as follows:

<~~The electric power shall be provided by NiCd cells with a~~ **The maximum weight of the battery is 425 g**>.

Unanimously approved by the Plenary Meeting – Effective 2003.

c) 5.5.6.4. Organisation of Radio Controlled Electric Powered Pylon Racing Contest

i) Subcommittee - 5.5.6.4.1 Transmitters.

Give a title: **Transmitters.**

Unanimously approved by the Plenary Meeting – Effective 2003.

ii) Subcommittee - 5.5.6.4.2 Caller/mechanic. Amend as follows:

<All competitors must be accompanied by a caller/mechanic for reasons of safety. The caller can be the team manager, another competitor from the same team, or a third party. In all cases the caller must be the holder of an FAI licence not necessarily issued by the NAC of the pilot and must have paid the entry fee for supporters.

~~Each pilot and the mechanic/caller shall be registered as a team from the beginning of the competition through to its end.~~

Unanimously approved by the Plenary Meeting – Effective 2003.

iii) Subcommittee - 5.5.6.4.3 Helmets. Change as follows:

~~Note: Local rule for 2000 W.Ch.~~

~~The course layout will be modified as follows:~~

~~Lap counters, timing and other officials will all be placed behind the 90 m spectator line. The pylon No. 1 will be placed on a line perpendicular to the course median line. The Pylon No. 2 and No. 3 lap counters are placed on a line 45(to the course median line, 110 m away from the median line.~~

Unanimously approved by the Plenary Meeting – Effective 2003.

The Subcommittee suggests to adopt for F5D the course layout proposed by the F5D Subcommittee with its drawing.

CLASS F5F – 10 CELL MOTOR GLIDERS (Provisional Rules)

a) 5.5.8. Definition of the model aircraft - France:

Minimum weight : 1500 g

Minimum surface area : 36 dm²

Maximum number of cells : 10 (sub C)

~~Maximum mass of power source : 600 g~~

Unanimously approved by the Plenary Meeting – Effective 2003.

VOLUME SM – SPACE MODELS

ANNEX 10 – SPACE MODELLING JUDGES' AND ORGANISERS' GUIDE

a) Paragraph 4 Specific Events – Subcommittee and Slovakia

Subparagraph 4.D Scale Events - Replace the existing text with the following:

4.D. SCALE EVENTS: <The scale judges will judge scale models for flight characteristics in accordance with Annex 9 particularly taking care of the following:

d.1. Flight Characteristics-Staging: Stages must separate step by step. If the 3rd stage separate simultaneously with the 2nd stage the flight will be considered two stage only. With Saturn 1B and Soyuz if the competitor performs a powered flight of command modul, this shall be evaluated as "modeller's third stage", according to par 2.3.1.

d.2. Flight Characteristics - Special Effects: As Special Effects (according to the judging rules) may only emulate the action of the prototype. Three staged rockets, like Ariane, shall not deploy nose cone cover shield and jettison a satellite during operation of the 1st or 3rd stage. On the contrary, with Saturn or Soyuz function of rescue system during the 1st stage operation is planned and possible. In case of

doubt, competitor is obliged to prove reality of declared special effect by relevant technical data. How many points award for several special effects? Compare the degree of difficulty of four-booster separation to smoke before lift off!

d.3. Flight Characteristics-Recovery: For single stage, one parachute up to 10 points will be awarded. If a single stage rocket separates up to 20 points will be awarded. With multistage models deployment of a parachute will be awarded up to 10 points and a deployment of a streamer 5 points. Maximum recovery points in any case may not exceed 40.

To prove if the scale models to be launched are the same models, which were submitted for static judging, judges will designate each model with an appropriate marking during the static judging >.

Unanimously approved by the Plenary Meeting – Effective 2003.

- b) Add a new Paragraph 5 Organisers' Tasks – Subcommittee and Slovakia:

5. Organisers' Tasks:

- i) <SCALE EVENTS - The organiser of an international contest shall appoint three scale judges from the nomination list of Space Models FAI Judges. In case of World or Continental Championships, there will be appointed five FAI judges and one reserve judge of different nationalities, including the Chief Scale Judge. Their names will be submitted to the CIAM or CIAM Bureau for approval. The Chief Scale Judge may not be from the organising NAC. He shall organise work of the judging panel and shall represent it. An extra judge (who may be the reserve judge) shall be appointed as the chief of the dimension measuring team.

The organiser shall also provide an adequate area for relevant number of entries with bright overhead lights and with tables for turn in, static judging and dimension measuring. The static judging area will be equipped with dimension measuring devices and a PC with a qualified operator. Access to the static judging area during static judging will be restricted to all persons except for static judges, dimension measuring team, PC operator, contest director and FAI Jury>.

Unanimously approved by the Plenary Meeting – Effective 2003.

- ii) <ALTITUDE EVENTS - Organiser of an international altitude event must provide altitude-measuring devices in compliance with the rule 4.9.1.2. and qualified personell for altitude measuring. He also must provide radiocommunications between tracking stations, RSO and the computer center in the field.

Altitude measuring team shall do test tracking on duration and/or scale models on the day preceding the competition day(s) for altitude events to check tracking and data reduction systems. The head of the altitude measuring team shall present test altitude measuring results to the Jury to prove altitude measuring team readiness and necessary accuracy of measurements and get Jury approval, before the official flights begin in an altitude event>.

Unanimously approved by the Plenary Meeting – Effective 2003.

- iii) **<RANGE SAFETY OFFICER (RSO) - Organiser of an international contest will appoint a person to act as Range Safety Officer (RSO) from the FAI nomination list of judges - specialized in spacemodelling. He may appoint other qualified persons to act as his deputies in accordance to the provisions of the rule 4.3. In case of World or Continental Championships, organiser of the contest shall submit name of RSO to CIAM or CIAM Bureau for approval. RSO may not be from the organising NAC. When there are junior and senior classifications at the same place and at the same time organiser shall appoint two RSOs one for senior and the other for junior classification. They shall be not of the same nationality but shall have one language in common>.**

Unanimously approved by the Plenary Meeting – Effective 2003.

ANNEX 11 - SPACE MODEL RULES FOR WORLD CUP

- a) Paragraph 4 Points Allocation – Subcommittee. Change the paragraph as follows:

For all classes

<Points are awarded only to competitors completing at least one flight in the contest. In the event of a tie for any placing, all competitors with that placing receive the number of points appropriate to that placing, rounding up the score to the nearest whole number of points>.

Unanimously approved by the Plenary Meeting – Effective 2003.

5) ELECTIONS

This item was all completed on Thursday afternoon. See Item 3 Voting procedure.

6) WORLD CHAMPIONSHIPS

The up-to-date schedule for World and European Championships is the following:

WORLD CHAMPIONSHIPS

<u>YEAR</u>	<u>WORLD CHAMPIONSHIPS</u>	<u>BIDS FROM</u>	<u>AWARDED TO</u>
2003	F1A, F1B, F1C		HUNGARY
	F1E (Seniors and Juniors)		ROMANIA
	F3A		POLAND
	F3B		GERMANY
	F3C		JAPAN
	F3D		CZECH REPUBLIC

<u>YEAR</u>	<u>WORLD CHAMPIONSHIPS</u>	<u>BIDS FROM</u>	<u>AWARDED TO</u>
2004	F1A, F1B, F1P Juniors		FRANCE
	F1D (Seniors and Juniors)		ROMANIA
	F2A, F2B, F2C, F2D (Seniors and Juniors)		USA
	F3J (Seniors and Juniors)		CANADA
	F4B, F4C		POLAND
	F5B, F5D	Offers invited	
	SPACE MODELS (Seniors and Juniors)		POLAND

<u>YEAR</u>	<u>WORLD CHAMPIONSHIPS</u>	<u>BIDS FROM</u>	<u>AWARDED TO</u>
2005	F1A, F1B, F1C	Offers invited	
	F1E (Seniors and Juniors)	Offers invited	
	F3A	France Canada	
	F3B	Offers invited	
	F3C	Offers invited	
	F3D	France	

<u>YEAR</u>	<u>WORLD CHAMPIONSHIPS</u>	<u>BIDS FROM</u>	<u>AWARDED TO</u>
2006	F1A, F1B, F1P Juniors	Offers invited	
	F1D (Seniors and Juniors)	Offers invited	
	F2A, F2B, F2C, F2D (Seniors and Juniors)	China	
	F3J (Seniors and Juniors)	Offers invited	
	F4B, F4C	Offers invited	
	F5B, F5D	Offers invited	
	SPACE MODELS (Seniors and Juniors)	Offers invited	

7) **CONTINENTAL CHAMPIONSHIPS**

<u>YEAR</u>	<u>CONTINENTAL CHAMPIONSHIPS</u>	<u>BIDS FROM</u>	<u>AWARDED TO</u>
2003	F1A, F1B, F1P Juniors		POLAND
	F1D (Seniors and Juniors)		GERMANY
	F2A, F2B, F2C, F2D (Seniors and Juniors)		FRANCE
	F3J (Seniors and Juniors)		ROMANIA
	F4B, F4C		AUSTRIA
	F5B, F5D		ROMANIA
	SPACE MODELS (Seniors and Juniors)		YUGOSLAVIA

<u>YEAR</u>	<u>CONTINENTAL CHAMPIONSHIPS</u>	<u>BIDS FROM</u>	<u>AWARDED TO</u>
2004	F1A, F1B, F1C		ROMANIA
	F1E (Seniors and Juniors)	Offers invited	
	F3A		PORTUGAL
	F3B	Offers invited	
	F3C		GREECE
	F3D	Offers invited	
	F3A Asian-Oceanic	Offers invited	

<u>YEAR</u>	<u>CONTINENTAL CHAMPIONSHIPS</u>	<u>BIDS FROM</u>	<u>AWARDED TO</u>
2005	F1A, F1B, F1P Juniors	Romania	
	F1D (Seniors and Juniors)	Offers invited	
	F2A, F2B, F2C, F2D (Seniors and Juniors)	Offers invited	
	F3J (Seniors and Juniors)	Offers invited	
	F4B, F4C	Portugal	
	F5B, F5D	Offers invited	
	SPACE MODELS (Seniors and Juniors)	Romania	

<u>YEAR</u>	<u>CONTINENTAL CHAMPIONSHIPS</u>	<u>BIDS FROM</u>	<u>AWARDED TO</u>
2006	F1A, F1B, F1C	Offers invited	
	F1E (Seniors and Juniors)	Offers invited	
	F3A	Offers invited	
	F3B	Offers invited	
	F3C	Offers invited	
	F3D	Offers invited	
	F3A Asian-Oceanic	Offers invited	

At the Bureau and Plenary Meeting final details were given for the following 2002 Championships:

a) **F2A, F2B, F2C and F2D (Senior and Junior) WORLD CHAMPIONSHIPS – GERMANY**

Date	14 – 22 July	
Venue	Sebnitz, in the eastern part of Germany, 250 km from Berlin	
Fees	Entry: Team Manager, TM's Assistant And Senior Competitor	CHF 415
	Junior Competitor	CHF 15
	F2D Mechanic and Supporter	CHF 85
	Accommodation and Meals	CHF 355
	Banquet	Free of charge
Jury	Andras REE (Hungary) Chairman Laird JACKSON (USA) Gerhard WOEBBEKING (Germany) Reserve: Bohumil Votypka (Czech Republic)	
F2B Judges	Louise Van den Hout (The Netherlands) Stefan Kraszewski (Poland) Klaus Kosmalla (Germany) Gary McClelland (USA) Peter Lott (South Africa) Reserves: Rostislav Rozboril (Czech Republic); Bernadette Glibert (France)	
F2C Judges	Luis Petersen (Denmark) Karlis Plotcins (Latvia) Bruno Delor (France) Reserve: Paul Rietbergen (Netherlands)	
F2D Judges	Guido Michiels (Belgium) Ingemar Larsson (Sweden) Vernon Hunt (United Kingdom) Reserves: Rob Olyve (The Netherlands) Thomas Durrfeld (Germany)	
Circle Marshall	Mack Henry (USA)	

b) **F3J SENIORS AND JUNIORS WORLD CHAMPIONSHIPS (Finland, 4-10 August)**

In the FAI Jury, Joachim Stahl (Sweden) has been replaced by Mr. Nick Neve (United Kingdom). The Jury will be composed of Sandy Pimenoff (Finland), Chairman; Thomas Bartovsky (Czech Republic) and Nick Neve (United Kingdom).

c) **SPACE MODELS WORLD CHAMPIONSHIPS (classes S1B, S4B, S5C, S6B, S7, S8EP and S9B Seniors; S1A, S4A, S5B, S6A, S7, S8D and S9A Juniors) – CZECH REPUBLIC (Sazena, 13-20 October)**

New Jury and Judges:

FAI Jury: Srdjan PELAGIC (Yugoslavia, Chairman); Otakar Saffek (Czech Republic); Miroslav Sulc (Slovakia). **Reserve:** Pawel Wlodarczyk (Poland).

S5B, S5C and S7 Point Judges: Primoz Kuhar (Slovenia, Chief); Milan Jelinek (Slovakia); Jiri Kaspar (Czech Republic); Oleg Khorosh (Russia); Ryszard Smolinsky (Poland). **Reserves:** Anton Repa (Slovakia); Nikola Cvjeticanin (Yugoslavia).

d) F3A EUROPEAN CHAMPIONSHIPS (Spain)

Date	30 August – 8 September	
Venue	Zamora (Spain)	
Fees	Entry: Competitor	CHF 457
	Team Manager	CHF 421
	Mechanic	CHF 116
	Helper/Supporter	CHF 87
	Accommodation (breakfast and dinner)	CHF 542
	Meals (lunch)	CHF 176
	Banquet	CHF 72
Jury	Bob SKINNER (South Africa) Chairman J. LOUREIRO DE SOUSA (Portugal) Yolanda GARCIA DE FUENTES (Spain) Reserve: Alex GOOSSENS (Belgium)	
Judges	Peter Uhlig (Germany) Claude Anziani (France) Emanuel Fernandez (Portugal) Federico Cappabianca (Italy) Anders Rasmussen (Denmark) David Tappin (Great Britain) Anton Moser (Austria) Sigmund Beck (Liechtenstein) Willy Boni (Switzerland) Henny van Loon (The Netherlands) Reserves: John Kostantakatos (Greece) Jiri Havel (Czech Republic) Guy Manesse (Belgium)	

e) F3A ASIAN/OCEANIC CHAMPIONSHIPS (Beijing, China), September 20/28

Fees: Entry fee CHF 350; Accommodation CHF 530; Meals CHF 240; Banquet CHF 45.

FAI jury: Bob SKINNER (South Africa), Tze-Law Chan (Singapore), Ye Shujun (China).

Reserve: Ken Hirose (Japan).

Judges list: Tsugutaka Yoshioka (Japan), Wang Zuoming (China), Alex Goossens (Belgium), Chris Bessinger (South Africa), Richard Cheong (Singapore). Reserve Rob Clarke (Australia). Liu Wenzhang (China) Chinese reserve only, Giichi Naruke (Japan) Japanese reserve only.

8) ANY OTHER BUSINESS

- The FAI Secretary, Max Bishop, asked the Championships' organisers to send to the FAI Office copy of their bulletins to be included in the FAI archive.
- The CIAM representative in Europe Airsports, Graham Lynn, informed the Plenary Meeting that the European Postal Commission, which represents 22 countries, has allocated 23 frequencies from Mhz 35.000 to 35.220 for exclusive use of model flying on no-payment basis.
- The Chairman of the Space Models Subcommittee, Ing. Srdjan Pelagic, asked for the reintroduction of category S3 (parachute duration models) in the programme of the Space World and Continental Championships.

9) NEXT CIAM MEETINGS

Bureau Meeting: November 29-30, 2002

Bureau Meeting: March 13, 2003

Plenary Meeting: March 14-15, 2003

The President closed the Plenary Meeting at 6 p.m. on March 22, 2002.

ANNEXES TO THE MINUTES OF THE 2002 CIAM PLENARY MEETING

ANNEX 1	2001 WORLD CHAMPIONSHIPS REPORTS
ANNEX 2	CIAM TECHNICAL SECRETARY AND SUBCOMMITTEES REPORTS
ANNEX 3	TROPHIES REPORT
ANNEX 4	2001 WORLD CUPS REPORTS
ANNEX 5	JUDGES LIST
ANNEX 6	SUBCOMMITTEES LIST
ANNEX 7	VOLUME ABR, REORGANISE SECTION FROM B.7 TO B.17
ANNEX 8	CLASS F2C TEAM RACE JUDGES' GUIDE
ANNEX 9	CLASS F2F (Provisional Class)
ANNEX 10	CLASS F3A, NEW SCHEDULE OF MANOEUVRES
ANNEX 11	CLASS F3A, DESCRIPTION OF NEW MANOEUVRES
ANNEX 12	CLASS F3A, NEW ARESTI DRAWINGS
ANNEX 13	CLASS F3A, NEW JUDGES' GUIDE
ANNEX 14	CLASS F3J, DRAWING OF LAUNCHING DEVICE
ANNEX 15	CLASS F3D, NEW EURO CUP EVENT
ANNEX 16	CLASS F5A, DESCRIPTION OF NEW MANOEUVRES
ANNEX 17	CLASS F5A, AEROBATICS BOX
ANNEX 18	PROTEST FROM SWEDEN