

IJMC Scale Documentation Tips 2016

Introduction

Scale documentation is very important in any scale competition. Even more at an IJMC Jet World Masters event! Therefore the IJMC decided to publish this document to aid competitors in preparing a standardized documentation. As a competitor, you will find a lot of tips to help you gain maximum points during static judging.

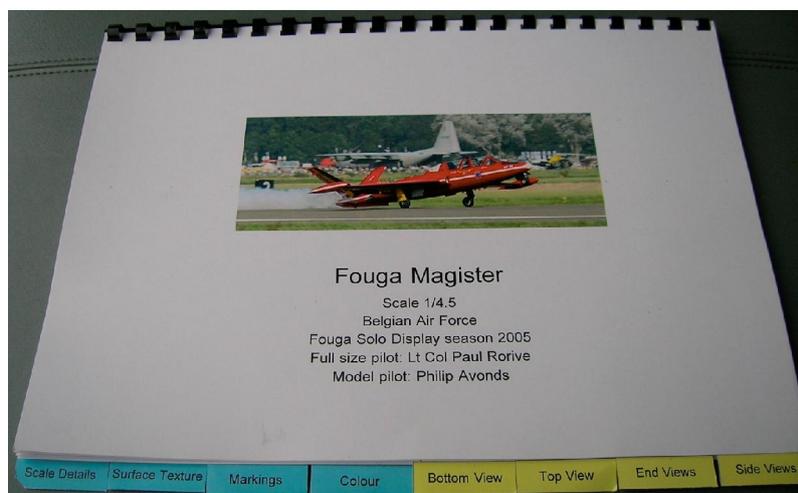
The static judges only have a maximum of 20 minutes to judge each model. The total time of 20 minutes is divided in 2 x 10 minutes for each panel of 3 judges. This means that 10 minutes is spent on **panel A** judging the scale accuracy (3 views) and 10 minutes on **panel B** judging the rest (colour, markings, surface texture and scale details). It is important to understand that the judges can only do their job when they are presented with a suitable documentation which also follows the logic of the different topics to be judged. Judges don't like to spend time searching back and forth through cluttered or chaotic documentation to find the items required for a certain topic. If you don't present the documentation in the required order, you will be downgraded! More about that later.

The full official text of the rule 4.0.2 is copied at the end of this document for your convenience.

Furthermore, a template is included for the maximum size requirements of some of the photographs together with tabs which you can use on your documentation pages to help the judges find the correct topic. The yellow tabs are for panel A, the blue tabs are for panel B.

Sample documentation

We will go through a sample documentation to highlight a few things. First, what does the rulebook say about the format? **A4 size (297 x 210 mm), landscape with hinge on long side (calendar format)**. See the photograph below to see what this means in practice. You can also see the tabs at the bottom. The idea is to make it easy for the judges by reducing the size, so they can sit closely together to discuss errors (just as well as merits) and to reduce the chances of parallax errors. Please note that the US Letter size (279 x 216 mm) is acceptable as well, so in effect, **the absolute maximum size allowed is 297 mm x 216 mm, excluding the hinge and the tabs**. If you present the documentation in a larger format than this, you will be downgraded! More about that later.



Cover of sample Fougua Magister documentation

Cover page:

No special requirements other than you should write down the correct designation of the model, the scale to which it is built and the version with a period stamp. In the sample, the designation is Fouga Magister, the scale is 1/4.5, the version is the Belgian Air Force Fouga Solo Display version as operated in the 2005 season. **Any additional information is totally unnecessary and will not be read by the judges...**

Pages corresponding to panel A: scale accuracy of the 3 views (yellow tabs):

General: no size limit for photographs, but should fit on page size.

1. Scale Accuracy -side views: 1 side view drawing minimum (left and right hand side drawings preferred), 1 photograph of each side minimum (no size limit but should fit on page size).



Side view pages

Look at the picture above. You see three important things.

One, the RH side drawing and RH side photograph(s) are positioned on the top page and the LH side drawing and LH side photograph on the bottom page. This is not mandatory. You can also choose to put the LH drawing and photograph on the top, or you can choose all the drawings on the bottom and all the photographs on the top or vice versa. You can also choose to put just one photograph on the top page and one drawing on the bottom page (in that case, modify the tabs as required).

Two, the photographs show the full size aircraft as close as possible to the required view angle to allow the judges to do their work properly. This doesn't mean these photographs should show a view at perfect right angles, as these are hard to find for some subjects. As long as they are close to right angles, they will be acceptable.

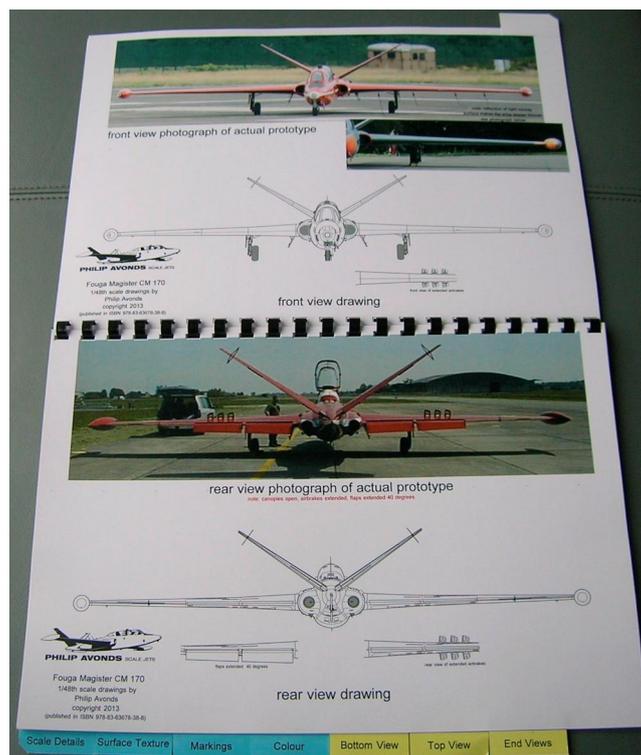
Three, the size of the photograph of the subject is similar in size as the drawings. Again, this is to make it easy for the judges. Important size differences will make it difficult for the judges to do their job! Also note that the angle at which the prototype is shown on the photograph is roughly the same as the drawing, again to make it easier for the judges.

There's no limit on the size or the number of the photograph(s) in this section, but generally a single photograph per view is all that's required. Always make a clear note if the photograph is not of the actual prototype and point out any possible differences, with proper evidence from either drawings or additional photographs. Remember that a judge can only judge from what he sees in the documentation, not from what you know about the subject... **Also, refrain from cross referencing into other parts of the documentation, this only leads to confusion and frustration.**

Note 1: the drawings should mention the scale (1/48 scale in the sample). The scale can be different on different views but should always be between 1/24 and 1/72 scale (per the rulebook).

*Note: this particular sample documentation includes drawings by the competitor. This is not allowed under rule 4.0.2 (a) **unless they are published or unless they are certified in writing as accurate in advance of the contest**, by an authoritative source (such as the respective National Scale Committee or equivalent), the builder of the original aircraft, or other competent authority. **In this case, the drawings presented are published in a monograph on the Fouga Magister and are therefore justified.** The monograph was released in January 2015 by MMP Books: Fouga Magister (ISBN 978-83-63678-38-8).*

2. Scale Accuracy -end views (front and rear view): 1 end view drawing minimum (front and rear view drawings preferred), 1 photograph of front and 1 photograph of rear minimum (no size limit but should fit on page size)



End view pages

Same remarks apply as for the side views.

3. Scale Accuracy -top and bottom view: 1 plan view drawing minimum (top and bottom view drawings preferred), 1 photograph of top and 1 photograph of bottom minimum (no size limit but should fit on page size)



Top view pages

Same remarks apply as for the side views. Note that a sketch is added to show the viewing angle, as it is not exactly 90 degrees. This may help to avoid misinterpretation by the judges.



Bottom view pages

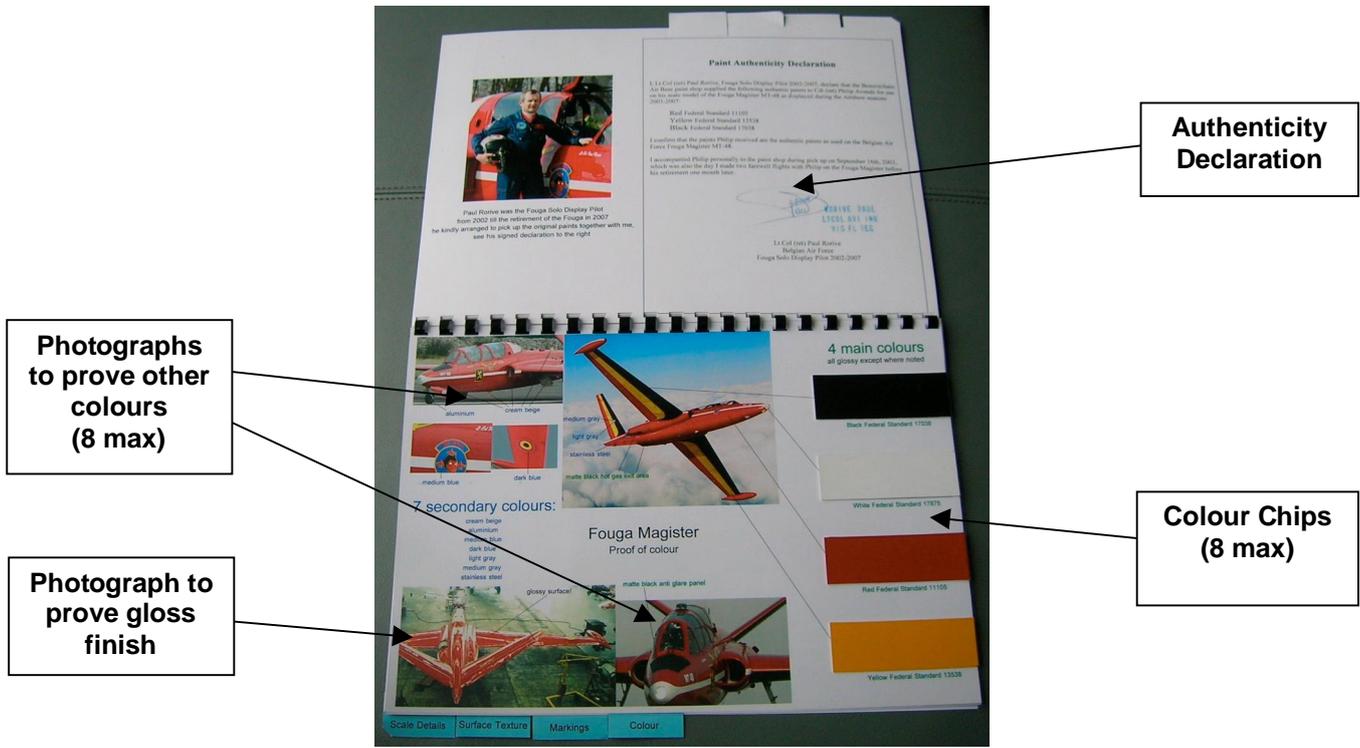
Same remarks apply as for the top view

Now we proceed to the second major part of the documentation, the pages corresponding to panel B: colour, markings, surface texture and scale details (blue tabs)

General: the number of photographs is limited to 8 per topic (10 for scale details) and the size of the photographs is limited to 150 x 100 mm. The US size of 6 x 4 inches is also acceptable which increases **the absolute size limit to 152,4 mm x 101,6 mm** (the template attached reflects this absolute size limit). If the number and/or the size of photographs is exceeded, you will be downgraded. It is a good idea to use drawings to help in identifying the location of colours, markings, surface texture or details.

Note: it is not allowed to combine any number of different photographs in one photograph (multiple photographs in one print) in an attempt to show more different parts of the subject. It is your job to choose the most representative parts or to capture different elements in one single shot. If photographs are found to be combined, they will be counted as separate photographs counting towards the maximum number. If exceeded, you will be downgraded.

1. Colour: should be proved by as direct a method as is feasible for the subject modelled. A maximum of 8 photographs of limited size and a maximum of 8 colour chips may be included



Colour pages

Colour photographs (8 maximum) can be used, colour profile drawings can be used, but the best way to prove the correct colours is with authenticated paint chips (8 maximum). In the sample, the original paint of the full size prototype was used to paint the model and a declaration of the demonstrator pilot confirms this. You can also have the chips verified by a museum in which case a stamp is required on each chip. Tip: place the chips adjacent to the edge of the page to allow the judges to lay them on the model for comparison.

It is important that you clearly indicate which colour goes where on the subject aircraft. You can separate the colour documentation in primary and secondary colours if desired. Secondary colours are colours only visible on markings or on sections with special paint jobs (like a tiger head on the fin etc.).

The photograph above shows the paint authenticity declaration on the top page while the bottom page shows pictures of the location of the primary and secondary colours. Also included is a photograph showing the gloss finish.

Authenticated (stamped) colour chips would further improve the value of this documentation.

2. Markings: A maximum of 8 photographs of limited size may be included (a minimum of 4 is recommended, see “Downgrades” at the end of this document)



Markings pages

You have a maximum number of 8 photographs to show detailed shots of the markings of the prototype.

A drawing showing the location of some markings can be helpful if the markings are difficult to locate and would further improve the quality of this documentation.

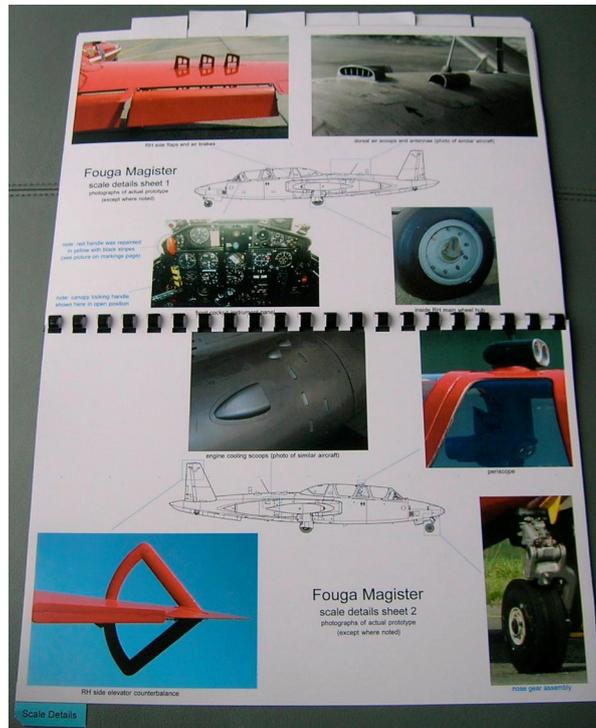
3. Surface Texture: A maximum of 8 photographs of limited size may be included (a minimum of 4 is recommended, see “Downgrades” at the end of this document)



Surface texture pages

You have a maximum number of 8 photographs to show detailed shots of the surface texture of the prototype. Different areas showing different styles of surface texture will generate more complexity points.

4. Scale Details: A maximum of 10 photographs of limited size may be included (a minimum of 4 is recommended, see "Downgrades" at the end of this document)



Scale Detail pages

Choose details which are prominent. In this example, the airbrakes, the flaps, the main wheels, the scoops, the instrument panel, the periscope, the elevator counterweights and the nose landing gear are prominent, but ultimately, it is your choice. There is no need to document all details but if you can capture several different details in one shot, this could result in a better score for the complexity part of the topic. Anyway, remember you are limited to **a maximum of 10 photographs**. Here two drawings were added to clarify the location of some details.

Official text from the rulebook:

4.0.2 Scale Documentation

Models will be placed in a "ready box", prior to formal Static Judging, for preliminary checks to be made. During formal Static Judging a Timekeeper will ensure compliance with Rule 4.0.3. To be eligible for static points the contestant must submit the following minimum documentation to the judges (**see format requirements under 4.0.2 (k)**):

- (a) Three identical copies of an accurate published 3-view (minimum, though all six views are recommended) scale drawing of the full-size aeroplane having a minimum scale of 1/72, and a maximum scale of 1/24. Unpublished drawings by the contestant or other draughtsman are only acceptable if they are certified in writing as accurate in advance of the contest, by an authoritative source (such as the respective National Scale Committee or equivalent), the builder of the original aircraft, or other competent authority.

- (b) At least three differing photographs, or published printed reproductions, of the full-size aircraft, including at least one of the actual subject aircraft being modelled. At least one of these must show the prototype aircraft on the ground to allow the landing gear assembly to be judged.
- (c) For proof of colour, if one or more of the photographs in (b), of the actual subject modelled, is not in colour, then a published coloured drawing is acceptable, or a published printed description of the colour scheme (for example those from specialist scale model publications). Alternatively, authenticated written description and/or authenticated colour chips are acceptable.
- (d) Photographs must be considered to be more important than 3-views, and will take precedence over three-view drawings for verifying scale outlines.
- (e) If the judges suspect that the information supplied in the presented documentation has been manipulated, the Contest Director should be informed immediately by the spokesman for the static judges. The Contest Director will then decide how to proceed.
- (f) If the contestant presents only partial or excessive documentation, the static score points will be awarded in proportion to the documentation supplied.
- (g) If the contestant presents no documentation at all, the static judging cannot be performed, and the static score will be zero.
- (h) In the event that there is conflicting evidence in the documentation presented, it is the responsibility of the contestant, before judging commences, to indicate to the static judges which documents they are to ignore.
- (i) The complete documentation should be submitted in triplicate prior to the static judging. After the static judging is finished, one copy of the documentation will stay with the static judging panel until the end of the competition.
- (j) Any tampering to the documentation can result in disqualification of the offending contestant.
- (k) Documentation format: A4 size, landscape with hinge on long side (calendar format)

Scale Accuracy - side views: 1 side view drawing minimum (left and right hand side drawings preferred), 1 photograph of each side minimum (*)

Scale Accuracy - front and rear view: 1 end view drawing minimum (front and rear view drawings preferred), 1 photograph of front and 1 photograph of rear minimum (*)

Scale Accuracy - top and bottom view: 1 plan view drawing minimum (top and bottom view drawings preferred), 1 photograph of top and 1 photograph of bottom minimum (*)

Colour: should be proved by as direct a method as is feasible for the subject modelled. A maximum of 8 photographs (**) **and a maximum of 8 colour chips** may be included

Markings: A maximum of 8 photographs (**) may be included

Surface Texture: A maximum of 8 photographs (**) may be included

Scale Details: A maximum of 10 photographs () may be included**

(*) These photographs should show the full size aircraft as close as possible to the required view to allow the judges to do their work properly. This doesn't mean these photographs should show a view at perfect right angles, as these are hard to find for some subjects. As long as they are close to right angles, they will be acceptable. The size should show the subject in a similar size as the drawing.

(**) Maximum size 10 x 15 cm (4 x 6 inches)

Downgrades for incorrect or incomplete documentation

The judges will apply the following downgrade system for incorrect documentation:

If the documentation is outside the absolute maximum page size of 297 x 216 mm, excluding the hinge and the tabs, the total score is reduced by 10%.

If the documentation is not presented in the correct sequence, a downgrade of 1.0 point will be applied per faulty section. The correct documentation sequence is (see also sample documentation above):

Panel A
side views
front and rear views
top and bottom views

Panel B
colour
markings
surface texture
scale details

If any of the views is missing in the panel A sections (no photo and no drawing), a downgrade of 2.5 points will be applied per missing view.

If poor photographs (e.g. showing no details or only shadows) or if poor drawings are supplied, a downgrade of 0.1 to 2.0 will be applied for accuracy, depending on how poor the photographs and/or drawings are.

If the maximum number of photographs in any of the panel B sections (colour, markings, surface texture and scale details) is exceeded, a downgrade of 0.5 point will be applied per excess photograph in each section.

Officially, there's no minimum of photographs for Markings, Surface Texture and Scale Details. However, the judges expect to see at least 4 photographs in any of these sections. A downgrade of 0.5 point will be applied if only 3 photographs are presented, a downgrade of 1 point will be applied if only 2 photographs are presented, a downgrade of 1.5 points will be applied if only 1 photograph is presented, and finally, no points will be awarded if no photographs are presented.

If one or more photographs in any of the panel B sections (colour, markings, surface texture and scale details) is found to be outside the absolute maximum photograph size of 152,4 mm x 101,6 mm, a downgrade of 0.5 point will be applied per offending photograph in the respective section.

Maximum size of photographs is 152,4 x 101,6 mm
under sections:
colour
markings
surface texture
scale details
(maximum 8 photos per section,
except for scale details: 10 photos maximum)



use the lines with dimensions to make sure your printer is set at 100%

Side Views	End Views	Top View	Bottom View

Panel A tabs

LH Side View	RH Side View	Front View	Rear View	Top View	Bottom View

Alternate Panel A tabs

Colour	Markings	Surface Texture	Scale Details

Panel B tabs