

BEST IN PRINT 2021 AWARDS
Definitions & Instructions



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Introduction:

The “Asian Best in Print 2021” Awards with an objective to prove and improve the quality of print reproduction while seeding the competitiveness among the workforce of the organisation, is announced with call for entries. This will showcase the ability of the publication to print at highest quality according to international ISO standards and WAN-IFRA standards.

The contest is open for registration from newspapers and magazines in Asia, under three classes based on the circulation criteria of the publication titles. WAN-IFRA would recognise the top three winners and award **Gold, Silver and Bronze** trophies in each of the classes.

- **Circulation below 50,000 copies**
- **Circulation between 50,000 to 150,000 copies**
- **Circulation above 150,000 copies**

What’s New in 2021:

- A brand-new category for smaller publications
- A new software and user interface that improves to enhance the user access.
- Flexible print schedule that can be chosen by the participant themselves

The new flow of the contest is as follows.



1. General instructions

1.1 Who can participate?

The competition is open to all publications, independent of production process or types of substrate used. Distinct categories were created for this purpose:

Category 1 Cold set offset on newsprint

Category 2 Heat-set offset or UV-curing offset on newsprint (Semi-commercial)

Category 3 Heat-set offset or UV-curing offset on SC or LWC paper (Semi-commercial)

Category 4 Extra category for printing under own standard conditions or non-standard conditions, like printed on tinted paper or using extraordinary printing condition through offset, flexography, or digital printing.

Category 5 Magazines, printed in sheet-fed offset, heat-set offset, gravure or digital inkjet (Weekly magazines to be registered under this Category)

Publication titles can be registered either by publishing or printing companies. Each title is treated as a separate registration. One company can register several titles. One and the same title, printed at various locations, can participate individually in each case. Participation fees are charged per registration.

The competition is based on the objective evaluation carried out in the “Cuboid” target printed by the participant. Several quality parameters are evaluated from the Cuboid and the results of the evaluation are presented in a structured report.

Due to different print process techniques, different target values or evaluation methods are applied for the different technical categories.

1.2 Registration and Evaluation criteria:

Registration & Fee:

- Registration is accepted only from Asian countries.
- Each registration title will have participation fee of **€ 299** (Euro), Multiple registrations from same publishing companies will attract a **Special discount**.
- Online registration for all category **opens** from **25th Feb 2021**.
- Last date of registration for publication will be **30th Apr 2021**.
- For **Online registrations** visit: **[REGISTER ONLINE](#)**

Evaluation criteria:

Table 1.2, schedule for all the category participants

Category	Print run duration	Evaluation Criteria	Samples to reach WAN-IFRA by	Report & result
All Category	12 th Apr 2021 – 14 th Apr 2021 (Or) 19 th Apr 2021 – 21 st Apr 2021 (3 days from Mon-Wed) Special print Run: 03rd May – 05th May 2021	All 3 publication issues. But 2 random samples from each issue.	10 th May 2021 For Special Run : 17 th May 2021	30 th Jun 2021
All weekly publications should send publication the first three publication issue from Apr 2021.				

All the participant categories should send 5 copies for each of the issue day or week, depending upon their type of publication. But we pick **2 random copies out of 5 for the evaluation**.

Dailies: The daily publications of all category should choose 1 print slot (Mon -Wed) out of the 2 choices available in Apr 2021. Its optional to choose the print week in April 2021, but its mandatory to print to print and send samples from Monday to Wednesday of the chosen print slot/week. Then, send 5 copies from each of the three consecutive days printed (Mon – Wed), so **5 Copies X 3 Days (Mon-Wed only) = 15 copies** should sent in single package.

Weeklies: All weekly publications should send 5 copies for each of the first three weekly publication issues from Apr 2021. So, 5 Copies X 3 Publication weeks = 15 copies should sent in single package.

1.3 Downloading and using the print test element – The Cuboid

The Cuboid print test element for **BIP 2021** can be downloaded on or later 1st April 2021 from the **[DOWNLOAD](#)** section. The same test element should be used to print on all the print runs.

Treat the Cuboid like a supplied color advertisement! Position the test element on any page of the publication title you have registered for the competition. The Cuboid is non-scalable. The size of the Cuboid must not be changed to allow correct evaluation.

Print the Cuboid under standardised printing conditions as part of a regular issue of your publication. If you do not wish the Cuboid to appear in the distributed issue, you can exchange plates and produce a part-run including the Cuboid that is not for distribution and submit these copies for evaluation.

1.4 Shipping instructions

To prevent premature aging of the printed samples, should be packed in such way that they are protected against light and humidity. Printed samples not received on time cannot be included in the evaluation.

While shipping the copies, please ensure that you attach a declaration that the copies are for testing purposes and do not have any commercial value. For declaration format, refer to **Annex 1**.

Since publications from many different countries and languages participate in the competition, we may not be able to identify the publication title and printing location by seeing the copy. Hence, we request the participants to fill the leaflet in **Annex 2** in English language and insert it into the package. You can find Annex 1 & 2 at the end of this instruction document. Shipment address is mentioned in last page of this document.

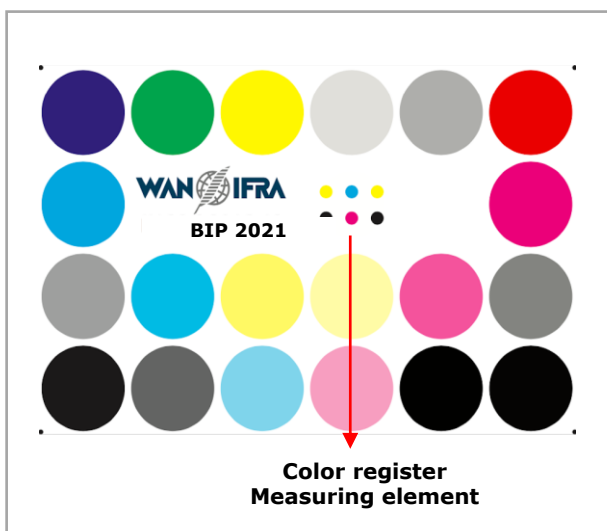
1.5 Evaluation reports

The final evaluation report will have 3 reports individual report (for the submitted 3 days/ issues) with overall summary of points and tracks.

For the evaluation of the general printing quality, two sample copies per participating title will be selected at random from the submitted copies from different publishing days/issues. The results of this evaluation are included in the final report.

Final winners are only based on the top 3 winners in each category , arrived based on the total score archived.

1.6 The Cuboid



The Cuboid can be positioned in the same way as a four-color ad on a publication page. The format is 42 x 28 mm; the PDF is available in CMYK.


The Cuboid must not be scaled!

The Cuboid can be used in horizontal or vertical format. Avoid positioning in the fold, as otherwise the evaluation can be influenced by set-off and soiling.

The reverse (backside page) of the Cuboid must be printed with publication-type contents (should have texts or editorial content, should not have solid advertisement or images). Points are subtracted for blank reverse side, deviating paper types, and different or missing pinholes.

The figures on the left do not correspond to the original size; the colors may not be used as reference.

CMYK color values and measuring patches of the Cuboid

		1	2	3	4	5	6
A	Cyan	100%	100%	0%	10%	30%	0%
	Magenta	100%	0%	0%	8%	24%	100%
	Yellow	0%	100%	100%	8%	24%	100%
	Black	0%	0%	0%	0%	0%	0%
B	Cyan	100%				0%	0%
	Magenta	0%				0%	100%
	Yellow	0%				0%	0%
	Black	0%				0%	0%
C	Cyan	0%	70%	0%	0%	0%	50%
	Magenta	0%	0%	0%	0%	70%	42%
	Yellow	0%	0%	70%	40%	0%	42%
	Black	40%	0%	0%	0%	0%	0%
D	Cyan	0%	0%	40%	0%	52%	44%
	Magenta	0%	0%	0%	40%	44%	38%
	Yellow	0%	0%	0%	0%	44%	38%
	Black	100%	70%	0%	0%	100%	100%

The Cuboid contains two 4-Color blacks in patches D5 and D6. Patch D5 corresponds to a Total Ink Coverage (TIC) of 240% and Patch D6 corresponds to a TIC of 220%.

ISO 12647-3:2013 standard recommends 220% TIC for coldset on newsprint. So,

Patch D6 is used to measure 4-Color Black for category 1.

For Categories 2, 3, 4 and 5, patch D5 (TIC 240%) is used.

1.7 Evaluation criteria

To be eligible to compete the final winners in the contest, a minimum number of points must be reached within each test run. It is also required that each criterion meets the required minimum number of points of all the publication issues / dates. Only if all the criteria in the following table have been met both horizontally and vertically membership is reached.

Categories 1, 2 and 3

Criterion	Max. points Test 1	Max. points Test 2	Max. points Test 3	Max. points GPQ	Max. possible pts for criterion	Min. required pts for criterion	Successful
2.1 News-shade	30	30	30	-	90	54	Yes?
2.2 Mid-tone spread	10	10	10	-	30	18	Yes?
2.3.1 Dot gain 40%	10	10	10	-	30	18	Yes?
2.3.2 Dot gain 70%	10	10	10	-	30	18	Yes?
2.4 Grey balance	30	30	30	-	90	66	Yes?
2.5 Color space in %	11	11	11	-	33	18	Yes?
2.6 Color conformity Delta E	49	49	49	-	147	108	Yes?
2.7 Color register	30	30	30	-	90	90	Yes?
2.8 General printing quality	-	-	-	576	576	500	Yes?
Deduction of points	180	180	180	576			
Maximum points	180	180	180				
Minimum points per test	150	150	150				
Successful:	Yes?	Yes?	Yes?				
Precondition for the contest				12 x "Yes"			

Categories 4 and 5

Criterion	Max. points Test 1	Max. points Test 2	Max. points Test 3	Max. points GPQ	Max. possible pts for criterion	Min. required pts for criterion	Successful?
2.1 News-shade	30	30	30	–	90	54	Yes?
2.2 Mid-tone spread	10	10	10	–	30	18	Yes?
2.3.1 Dot gain 40%	10	10	10	–	30	18	Yes?
2.3.2 Dot gain 70%	10	10	10	–	30	18	Yes?
2.4 Grey balance	30	30	30	–	90	66	Yes?
2.5 Color space in %	NA	NA	NA	–	NA	NA	NA
2.6 Color conformity Delta E	60	60	60	–	180	126	Yes?
2.7 Color register	30	30	30	–	90	90	Yes?
2.8 General printing quality	–	–	–	576	576	500	Yes?
Deduction of points	180	180	180	576			
Maximum points	180	180	180				
Minimum points per test	150	150	150				
Successful:	Yes?	Yes?	Yes?				
Precondition for the contest				12 x "Yes"			

A participant will be successful of membership only if meets all the "Yes" horizontally for each parameter and vertically for each test days. That means, after the final evaluation the participant should achieve at least minimum points specified for each of the parameters (newsprint, Mid-tone, Dot gain, etc..) with a minimum of 150 points every publication issue. Only then, a participant will be eligible to be considered for the final evaluation of the top 3 criteria of the categories.

1.8 Evaluation set up and process

The objective evaluation is divided into the evaluation of the colorimetric data of the printed Cuboid and of the register measurement element. We measure all test copies under standardised conditions using a calibrated measuring instrument, so that the result can be assessed in a way that is as objective and comparative as possible. The evaluation of the Cuboid permits qualified statements in relation to the conformity of the criteria news-shade, mid-tone spread, dot gain at 40% and 70%; grey balance, color space, color conformity and color register precision.

Evaluation points are awarded in accordance with the degree to which the target values are satisfied. The closer the measured values are to the targets of the ISO and WAN-IFRA standards, the more points can be achieved. If the values are within the tolerance range, the points will be awarded in a linear fashion to the calculated deviations. No points are awarded if the tolerance values are exceeded.

The color and density measurement of the Cuboid is carried out with the aid of the automatic X-Rite "exact" spectro-densitometer. The color measurements are done in accordance with ISO 13655 with angle of observation 2°, light source D50, measuring geometry 45°/0° or 0°/45° and black backing. The density values are measured with status E, polarisation filter ON and relative to paper. Aperture size of the instrument is 2 mm. Dot gain is calculated by the Murray-Davies formula. We use the Techkon "RMS 910" to measure color register.



X-Rite "eXact" color measuring instrument (left) and Techkon "RMS 910" register measuring instrument (right)

In order to evaluate the general printing quality, two randomly selected copies from two different competition months are taken from the submitted sample copies. The first 16 four-color pages of each newspaper copy are assessed. The first 32 four-color pages of each magazine copy are assessed. The results of this evaluation are published in the final report.

2. Evaluation and scoring system for different criteria

2.1 News-shade

Newsprint or paper shade (or color of the paper) is measured in accordance with light source D50, measuring geometry 45°/0° or 0°/45° and black backing. The news-shade is measured on non-printed areas of the Cuboid in patch B5.

Points are allocated based on the following criteria:

For competition categories 1 and 2:

<i>Color values</i>	<i>Points per evaluation</i>
$L^* = 78$ or more	10
$L^* =$ less than 78	0
$a^* =$ between -2 and 2	10
$a^* =$ less than -2 or more than 2	0
$b^* =$ between -2 and 5	10
$b^* =$ less than -2 or more than 5	0
Total:	30

For competition category 3:

<i>Color values</i>	<i>Points per evaluation</i>
$L^* = 83$ or more	10
$L^* =$ less than 83	0
$a^* =$ between -2 and 0	10
$a^* =$ less than -2 or more than 0	0
$b^* =$ between -2 and 3	10
$b^* =$ less than -2 or more than 3	0
Total	30

For competition categories 4 and 5 the following process applies:

The reference is in each case the mean value of L^* , a^* and b^* of all five test runs measured on the printed Cuboid. The color of the paper that is used should be within the tolerances listed in the table throughout the competition period. Delta L^* , a^* & b^* represent the maximum permissible deviation from mean value.

<i>Deviation from the mean value of the test runs</i>	<i>Points per evaluation</i>
Delta L^* less than or equal to 2	10
Delta L^* more than 2	0
Delta a^* less than or equal to 1	10
Delta a^* more than 1	0
Delta b^* less than or equal to 1	0
Delta b^* more than 1	0
Total	30

2.2 Mid-tone spread

The patches D3, D4, C4 and C1 of the Cuboid are used to measure the CMYK mid-tone spread. Difference in dot percentage between the color with highest dot gain and the color with lowest dot gain is called mid-tone spread. Points are awarded based on the deviation from the 6% production tolerance in the 40% measuring patch specified by the standard. It is not considered whether the dot gain is within the tolerances of the target Tone Value Increase (TVI) curve for all the categories.

For categories 1, 2, 3, 4 and 5:

<i>Mid-tone spread</i>	<i>Points per evaluation</i>
<i>Less than or equal to 3%</i>	<i>10</i>
<i>Corresponds to 6%</i>	<i>2</i>
<i>Greater than 6%</i>	<i>0</i>

Points are awarded in a linear process between 3% and 6%. The minimum no. of points is 2.

2.3 Dot gain

2.3.1 Dot gain at nominal 40%

The patches D3, D4, C4 and C1 of the Cuboid are used for measuring the CMYK dot gain in the 40% area. Each color is evaluated individually.

For category 1, 2 and 3, deviation from the reference value of 2% or less brings 2.5 points per color ($4 \times 2.5 = 10$). In the case of a deviation between 2% to 5%, points are awarded in a linear process per color up to the minimum number of 1 point. With a deviation, more than 5% no points are awarded.

For competition category 1, 2, 3, 4 and 5:

<i>Dot gain in the 40% patch per color (C, M, Y, K)</i>	<i>Points per evaluation</i>
<i>Deviation less than or equal to 2%</i>	<i>2.5</i>
<i>Deviation corresponds to 5%</i>	<i>1</i>
<i>Deviation greater than 5%</i>	<i>0</i>

Points are awarded in a linear process between 2% and 5%. The minimum no. of point is 1.

For competition category 1 the reference value is 26.2% dot gain in the 40% patch.

For competition categories 2 and 3 the reference value is 22% dot gain in the 40% patch.

For competition categories 4 and 5, the reference value is the average of the dot gain measurements in the 40% patch of all five test run measurements.

2.3.2 Dot gain at nominal 70%

Patches C2, C5, C3 and D2 of the Cuboid are used for measuring the CMYK dot gain in the 70% range. Each color is evaluated individually.

For category 1, 2 and 3, a deviation from the reference value of 2% or less brings 2.5 points per color (4 x 2.5 = 10). In the case of a deviation between 2% and 5%, points are awarded in a linear process per color up to the minimum number of 1 point. With a deviation more than 5% no points are awarded.

For competition category 1, 2, 3, 4 and 5:

<i>Dot gain in the 70% patch per color (C, M, Y, K)</i>	<i>Points per evaluation</i>
<i>Deviation less than or equal to 2%</i>	<i>2.5</i>
<i>Deviation corresponds to 5%</i>	<i>1</i>
<i>Deviation greater than 5%</i>	<i>0</i>

Points are awarded in a linear process between 2% and 5%. The minimum no. of points is 1.

For competition category 1 the reference value is 19.8% dot gain in the 70% patch.

For competition categories 2 and 3 the reference value is 17.6% dot gain in the 70% patch.

For competition categories 4 and 5 the reference value is as follows:

76% of the average value of the dot gain measurements in the 70% patch from all test runs.

Example: The average dot gain at nominal 40% is 25%. In such a case, the reference value for dot gain at nominal 70% is 19%, as $25 \times 0.76 = 19$.

2.4 Grey balance in print

The patches A4, A5, C6 and D5 or D6 of the Cuboid are used for the measurement.

The reference grey (a* and b*) is calculated as follows: The lightest and darkest measured values (color of the paper, patch B4, and CMYK [4c black], patch D5 or D6) are connected via a straight line. This produces a reference grey axis in the color space that is used as an individual scale for the evaluation.

Based on the individually measured lightness value L* of light, medium and dark grey on the Cuboid concerned in each case, the color values a* and b* are mathematically calculated on the reference grey axis. These serve as targets for the measured a* and b* values of the grey patches A4, A5 and C6. We refer to the thus-calculated color difference as "Delta C* absolute".

For Category 1, patch D6 is measured for the L*a*b* values of 4-color-black. Patch D6 corresponds to a TIC of 220%.

For category 2, 3, 4 and 5, patch D5 is measured for L*a*b*f 4-Color black. Patch D5 corresponds to a TIC of 240%.

Points are awarded based on the below table.

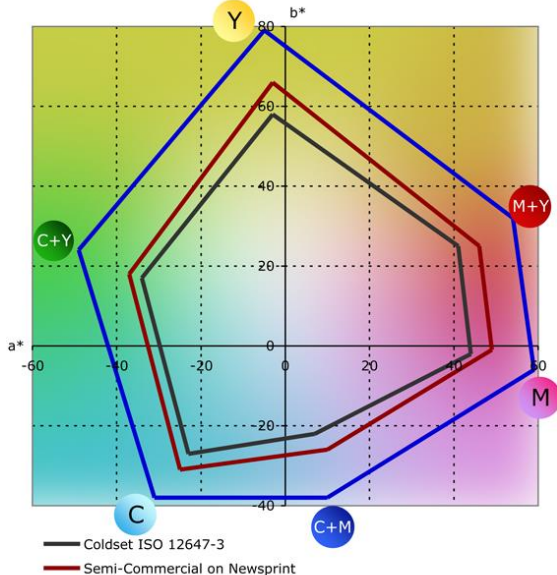
For competition categories 1, 2, 3, 4 and 5:

<i>Deviation per grey patch (A4, A5, C6)</i>	<i>Points per Grey patch and evaluation</i>
<i>Less than or equal to 1.5 "Delta C* absolute"</i>	<i>10</i>
<i>Corresponds to 3 "Delta C* absolute"</i>	<i>2</i>
<i>Greater than 3 "Delta C* absolute"</i>	<i>0</i>

Points are awarded in a linear process for deviation between 1.5 and 3 Delta C*. Minimum no. of points is 2.

2.5 Color space

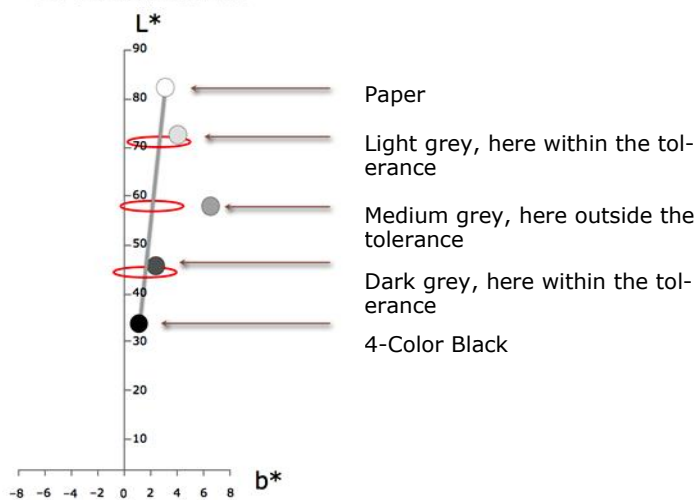
Target Colour Gamuts, a*b* Diagram



The L*a*b* values of the patches A6, A2, A1, B1, B6, A3, B5 and D5 or D6 of the Cuboid are used for the calculation. The size of the color space range, which results from the combination of the colors CMY and RGB as well as the paper white and 4C black, can be shown as a three-dimensional entity within the L*a*b* color space.

The a*/b* diagram shows the different target color spaces. The black color space corresponds to the standard cold-set newspaper offset process in accordance with ISO 12647-3:2013. With the aid of heat-set drying or UV curing it is possible to print a larger color space range (red) on the same paper. If in addition a higher-quality paper grade (SC or LWC) is used, this will further enlarge the color space (blue).

For category 1, patch D6 (TIC 220%) is measured for the



The individual reference grey axis is the connection between the color of the paper and CMY K(4C black)
 The grey axis is in most cases not parallel to the lightness axis L*, but instead at an angle to it because the typical yellow hue of newsprint is reduced in the shadows.
 The printed CMY grey tones are compared to the reference grey axis. The deviation is referred to as "Delta C* absolute".

L*a*b* values of 4-C Black.

For category 2 and 3 patch D5 (TIC 240%) is measured for the L*a*b* values of 4-C Black. For categories 4 and 5 this color space evaluation is not used.

The following color references apply for calculation of color space and color conformity (see section 2.6):

Color reference values for competition **category 1**

Colors	L*	a*	b*
Cyan	57	-23	-27
Magenta	54	44	-1
Yellow	78	-3	58
Black (K)	36	1	4
Green, Y + C	53	-34	17
Blue, C + M	41	7	-22
Red, M + Y	52	41	25
4c-Black, CMYK	34	1	2
White, news-shade	82	0	3

Color reference values for competition **category 2**

Colors	L*	a*	b*
Cyan	55	-25	-31
Magenta	51	49	-1
Yellow	78	-3	66
Black (K)	35	1	2
Green, Y + C	50	-37	18
Blue, C + M	35	10	-26
Red, M + Y	49	46	25
4c-Black, CMYK	30	1	2
White, news-shade	82	0	3

Color reference values for competition **category 3**

Colors	L*	a*	b*
Cyan	56	-31	-38
Magenta	50	59	-6
Yellow	83	-5	79
Black (K)	27	0	1
Green, Y + C	50	-49	24
Blue, C + M	33	10	-38
Red, M + Y	48	54	32
4c-Black, CMYK	26	0	1
White, news-shade	86	-1	2

For competition categories 1, 2 and 3, the following applies:

Measured color space	Points per evaluation
At least 90% of the reference color space	11
Corresponds to 75% of the reference color space	2
Less than 75% of the reference color space	0

If the color gamut is between 75% and 90% of the reference color gamut points will be deducted in the range from 11 to 2 points. If the color gamut is smaller than 75% no points will be applied.

In categories 4 and 5 the criteria and points of this section (2.5) are combined with those of section 2.6. You will find the detailed instructions in section 2.6.

2.6 Color conformity

See 2.5 (color space) for the target color values.

Calculation method (categories 1, 2 and 3):

If the measured values of the primary and secondary colours lie within a defined color distance from the reference value (Delta E_{LAB 76}), 7 points per color are awarded. Therefore, a total of 49 points per evaluation can be achieved.

<i>Color difference Delta E LAB 76</i>		<i>Points per evaluation</i>
<i>Cyan</i>	<i>Less than or equal to 5</i>	<i>7</i>
	<i>Greater than 5</i>	<i>0</i>
<i>Magenta</i>	<i>Less than or equal to 5</i>	<i>7</i>
	<i>Greater than 5</i>	<i>0</i>
<i>Yellow</i>	<i>Less than or equal to 5</i>	<i>7</i>
	<i>Greater than 5</i>	<i>0</i>
<i>Black (K)</i>	<i>Less than or equal to 5</i>	<i>7</i>
	<i>Greater than 5</i>	<i>0</i>
<i>Red (M + Y)</i>	<i>Less than or equal to 8</i>	<i>7</i>
	<i>Greater than 8</i>	<i>0</i>
<i>Green (M + Y)</i>	<i>Less than or equal to 8</i>	<i>7</i>
	<i>Greater than 8</i>	<i>0</i>
<i>Blue (M + C)</i>	<i>Less than or equal to 8</i>	<i>7</i>
	<i>Greater than 8</i>	<i>0</i>
<i>Total</i>		<i>49</i>

If the measured color difference is greater than required, it is calculated in a second step whether the measured chroma (C*_{ab}) is greater or smaller than the chroma of the reference color.

If the measured chroma is smaller than required, no points are awarded. If the measured chroma is greater than that of the reference color, a final check is carried out to establish whether the measured color lies within an acceptable color angle difference (Delta h_{ab}) from the target as well as whether the lightness is sufficiently close to that of the target color value (Delta L).

<i>If color difference Delta E LAB 76 is exceeded, but the reference chroma achieved (in case of Black [K] unachieved), then:</i>		<i>Point per evaluation</i>
<i>Cyan</i>	<i>Delta L less than 5</i>	<i>7</i>
	<i>Delta h less than 2.5</i>	
	<i>One of the requirements not satisfied</i>	<i>0</i>
<i>Magenta</i>	<i>Delta L less than 5</i>	<i>7</i>
	<i>Delta h less than 2.5</i>	
	<i>One of the requirements not satisfied</i>	<i>0</i>
<i>Yellow</i>	<i>Delta L less than 5</i>	<i>7</i>
	<i>Delta h less than 2.5</i>	
	<i>One of the requirements not satisfied</i>	<i>0</i>
<i>Black (K)</i>	<i>Delta L less than 5</i>	<i>7</i>
	<i>Delta h less than 2.5</i>	
	<i>One of the requirements not satisfied</i>	<i>0</i>
<i>Red (M + Y)</i>	<i>Delta L less than 8</i>	<i>7</i>
	<i>Delta h less than 5</i>	
	<i>One of the requirements not satisfied</i>	<i>0</i>
<i>Green (M + Y)</i>	<i>Delta L less than 8</i>	<i>7</i>
	<i>Delta h less than 5</i>	
	<i>One of the requirements not satisfied</i>	<i>0</i>
<i>Blue (M + C)</i>	<i>Delta L less than 8</i>	<i>7</i>
	<i>Delta h less than 5</i>	
	<i>One of the requirements not satisfied</i>	<i>0</i>
<i>Total</i>		<i>49</i>

Calculation method for categories 4 and 5

For Categories 4 and 5 the average of the L* a*b* color values of all five test runs constitutes the reference per color (C, M, Y, K, R, G, B). In this case, the color difference (Delta E_{LAB 76}) therefore represents the distance to the average of all five measurements.

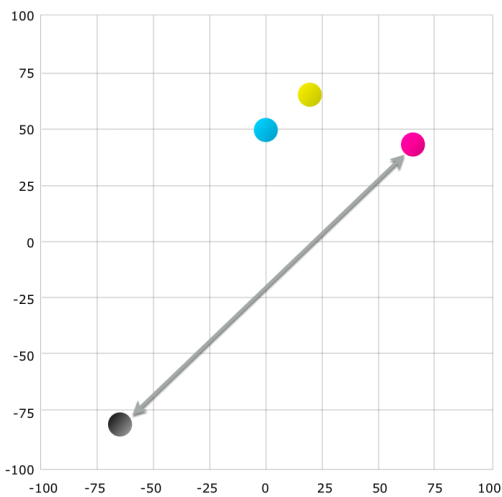
Points are awarded in accordance with the following system:

<i>Color difference Delta E LAB 76</i>		<i>Points per evaluation</i>
<i>Cyan</i>	<i>Less than or equal to 2</i>	<i>8</i>
	<i>Greater than 2</i>	<i>0</i>
<i>Magenta</i>	<i>Less than or equal to 2</i>	<i>8</i>
	<i>Greater than 2</i>	<i>0</i>
<i>Yellow</i>	<i>Less than or equal to 2</i>	<i>8</i>
	<i>Greater than 2</i>	<i>0</i>
<i>Black (K)</i>	<i>Less than or equal to 2</i>	<i>8</i>
	<i>Greater than 2</i>	<i>0</i>

<i>Red (M + Y)</i>	<i>Less than or equal to 4</i>	<i>8</i>
	<i>Greater than 4</i>	<i>0</i>
<i>Green (M + Y)</i>	<i>Less than or equal to 4</i>	<i>8</i>
	<i>Greater than 4</i>	<i>0</i>
<i>Blue (M + C)</i>	<i>Less than or equal to 4</i>	<i>8</i>
	<i>Greater than 4</i>	<i>0</i>
<i>4c-Black, CMYK</i>	<i>Less than or equal to 4</i>	<i>4</i>
	<i>Greater than 4</i>	<i>0</i>
<i>Total</i>		<i>60</i>

2.7 Color register

The Cuboid contains six small color points (patch B4) for automatic color register measurement.



In order to measure the color register error, the largest distance between two colors of the color set is calculated.

In the accompanying example (left), the greatest distance is between magenta and black.

For competition categories 1, 2, 3, 4 and 5:

<i>The largest color register deviation between two color</i>	<i>Points per evaluation</i>
<i>Less than or equal to 200 μm (0.20 mm)</i>	<i>30</i>
<i>More than 200 μm (0.20 mm)</i>	<i>0</i>

2.8 General Print Quality (GPQ)

Each participating title will be evaluated as below,

- Two random publication days out of 5 are chosen for GPQ evaluation .
- Each day is evaluated on first 16 color pages or 16 spreads (for magazine & tabloids). If, any day's publication fails to meet 16-page color, other random day will be considered to meet 16 color pages
- Each participant starts with 576 points (2 Days X 288 points) and points are deducted for each of the print quality defects (up to 18 as defined in table 2.8) observed in a page. Each defect criterion is applied only once in a page. For example, even though "printed plate edges" defect is visible many times in a page, only once deducted per page.

Broadsheet Newspapers:

The first 16 four-color pages of the main product. One 1 point will be deducted for each print defect (up to 18 defects possible) on every single page, leading to a maximum loss of all points (2 edition X 16 pages x 18 points = 576).

Magazines & Tabloids:

As the size of magazines and tabloids are small, spread (pairing page) will be considered equal to one page. The first 16 four-color spreads (32 pages) of the main product will be evaluated for GPQ. So, will deduct 0.5 points for each print defect on every single page (1 point for a spread page) of magazine and tabloid products. So, a total of 64 pages (2 editions x 32 pages) are evaluated. A maximum of 18 points can be subtracted in every spread, leading to a maximum loss of all points (32 spreads x 18 points = 576).

The jury responsible for evaluating the general printing quality will do so from an **"expert's point of view"** and the decision of jury is final.

Table 2.8, GPQ Quality defects list

Evaluation criteria			Points deducted per two-page spread
Category	No	Detected deficiencies	
Printing process	1	Over inking or under inking, density fluctuations	1
	2	Disturbing strike-through, print-through	1
Color register	3	Disturbing mis-register	1
Mechanical print quality	4	Disturbing set-off	1
	5	Impressions from draw rollers, path rollers	1
	6	Dirt stains, fingerprint marks	1
	7	Printing plate edges	1
	8	Printing plate scratches	1
	9	Poor lateral register, poor ribbon register	1
	10	Disturbing toning	1
	11	Paper wrinkles / Creasing	1
	12	Hickeys / Picking (Fluff accumulation)	1
	13	Pin holes in image area	1
	14	Slur / Doubling	1
Image and graphic quality	15	Deficient sharpness, low resolution, moiré	1
	16	Color cast	1
	17	Deficient contrast, brightness	1
	18	Deficient tonal reproduction (Flat, missing highlight / shadow)	1
Total			18

Shipment address and instruction for shipping:

Please send your publication copies to the below address (**exactly as written below with email id**)

WAN-IFRA South Asia Pvt Ltd
RMTC Division, C/O PII RIND
2nd main, CPT Campus, Taramani,
Chennai 600113, Tamil Nadu, India
Landmark: Asian college of journalism
Mob: +91.8792178292
+91.7358299188

Details about the address

Company Name: WAN-IFRA South Asia
Department: RMTC
Street Name / Area: 2nd Main, CPT campus
City: Chennai,
Postal / Zip code: 600113
State: Tamil Nadu
Country: India

Note: **Annexures 1 & 2** (given in **page 21 & 22**) are mandatory.

Annexure 1: (Participant outside India only) Must be filled (handwritten) and **pasted outside the package** (should not insert inside the package). If Annexure 1 is not attached with package, customs will delay the clearance and may impose additional duty. This fee should be paid by the shipper if annexure 1 is not attached. Provide the invoice to the shipping company to clear the customs at ease.

Annexure 2: (For all) must be filled & attached inside your package, which contains publication copies. Should keep multiple sheets if multiple editions days are sent.

N.B.

Despite every effort to ensure correct calculations, errors or faults cannot be excluded.

Please note the date of the instructions at the bottom of each page, as up to the start of the competition minor changes are possible. We remain at your disposal for all queries or individual advice.

Yours sincerely,

Prabhu Natrajan

Research Manager

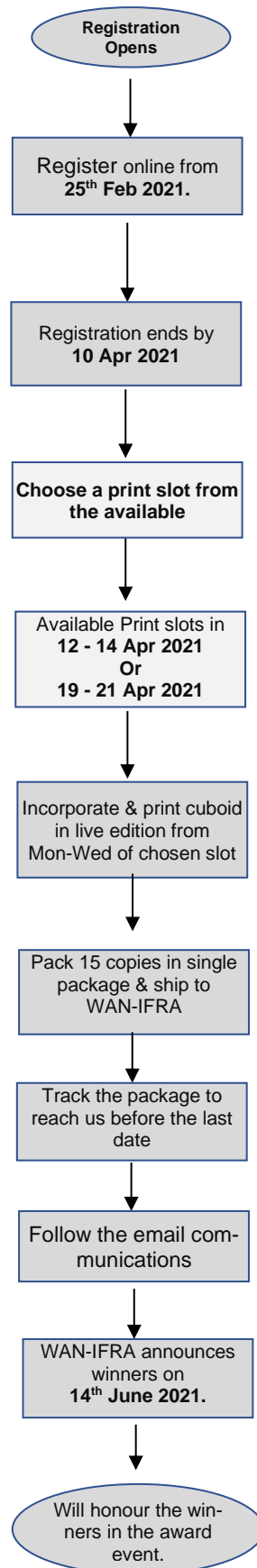
W A N – I F R A

Tel : +91.44.4211 0640

Mob : +91.8792178292

E-Mail : prabhu.n@wan-ifra.org

Contest procedure Workflow



Annex 1: Declaration letter for Customs

Date: _____

Declaration

To Whomsoever It May Concern:

In this package, we are sending _____ number of copies of our Newspaper / magazine publication _____ of issue dated _____. Worth of the material is less than or equals € / \$ / ₹. _____ This package **doesn't attract any high commercial value** and shipping it to the following address **for evaluation and study purpose only:**

WAN-IFRA South Asia Pvt Ltd,
RMTC Division, C/O PII-RIND,
2nd main, CPT campus, Taramani,
Chennai 600113, Tamil Nadu, India
Tel: +91.44.4211 0640
Fax: +91.44.2435 9744

Kindly clear the customs at the earliest.

Yours truly,

Name / Signature of the person responsible

Designation

Company Seal

Annex 2: Leaflet for Cuboid identification

Please insert the completed leaflet inside the package

Competition month	
Publication title	
Technical category (1–5)	
Company name	
Printing site	
Country	
Cuboid on page	