From: Yoshiyuki HIRASAWA <hirasawa-yoshiyuki@jpo.go.jp>
To: <scit.mail@wipo.int>
Date: Thu, Sep 8, 2005 1:16 PM
Subject: Re: Circular C. SCIT 2617 - Questionnaire on SDWG Task No.20

Dear Madams/Sirs,

Please find attached the completed questionnaire from circular C.SCIT 2617.

Best regards,

Yoshiyuki HIRASAWA
Deputy Director for Trademark
Patent Information Promotion Policy Office
Japan Patent Office

Additional questionnaire concerning formats for figurative elements of marks currently in use by Industrial Property Offices

Task No. 20: Prepare, for adoption as a WIPO standard, a recommendation for the electronic management of the figurative elements of trademarks.

Please provide the following contact information in order for us to contact the person responsible for the Questionnaire in case of need:

Contact details of the Reporting Office:		
Name of the Reporting Office		***JP*** (ST.3 two-letter country/organization code) *Japan Patent Office*
Person to contact	Name:	*Yoshiyuki HIRASAWA*
	Tel. number:	*+81-3-3597-0330*
	E-mail:	*hirasawa-yoshiyuki@jpo.go.jp*

Q U E S T I O N N A I R E

SECTION I

QUESTION 1

Does your Office process electronically the figurative elements of marks?

☒ **Fully YES** (in case that whole process employs digital image)

☐ **Partially YES** (in case that some parts of the process employ paper)

☐ **NO**

If your Office processes electronically the figurative elements of marks (i.e., if you answered "Fully Yes" or "Partially Yes"):

(a) Which format is your Office currently using?

(i) For scanning:

	Black White	Grayscale	Color	Others
Image format	***TIFF Group4***	–	***JPEG***	
Image resolution & Depth	***400dpi***	–	***200dpi***	
Minimum and Maximum size of image	***–150mm ×150mm***	–	***–150mm ×150mm***	
Image color management techniques				
Compression technique & Rate				

Note: Please fill in the tables according to the comments as follow:

- **Image format:** (TIFF, JPG, GIF, PNG, CCITT…specify with the version, e.g., TIFF Group 4):
- **Image resolution and Depth:** (in dots per inch for resolution and dpi for depth)
- **Minimum and Maximum size of image:** (specify physical size of the input image with unit, not the storage size of the resulting image)
- **Image color management techniques:** (i.e., description of techniques applied to ensure reliable color reproduction)
- **Compression technique and Rate:** (specify general or IPO's specific compression technique and rate)

(ii) For publishing:

	Black White	Grayscale	Color	Others
Image format	***TIFF Group4***	–	***JPEG***	
Image resolution & Depth	***400dpi***	–	***200dpi***	
Minimum and Maximum size of image	***–150mm ×150mm***	–	***–150mm ×150mm***	
Image color management techniques				
Compression technique & Rate				

Note: Please refer to the above comments.

(iii) For displaying:

	Black White	Grayscale	Color	Others
Image format				
Image resolution & Depth				
Minimum and Maximum size of image				
Image color management techniques				
Compression technique & Rate				

Note: Please refer to the above comments.

(iii) For other purpose (please specify):

	Black White	Grayscale	Color	Others
Image format				
Image resolution & Depth				
Minimum and Maximum size of image				
Image color management techniques				
Compression technique & Rate				

Note: Please refer to the above comments.

(b) What does your Office regard as an original image and how does your Office store it (please describe in detail)?

Insert your reply below (free text, table, etc.):

Applications accepted by electronic file are made into originals, and those accepted as documents are also made into originals after conversion into electronic data. These are recorded in the JPO’s record copy master file after the application is accepted.

QUESTION 2

Does your Office receive electronically trademark images in digital format?

YES ☒ NO ☐

(a) If "Yes," please specify your regulations or guidelines for accepting digital images (specifically about size, format, media of an image):

Insert your reply below (free text, table, etc.):

(1) Monochrome

Image type TIFF (Group4)
Resolution 400dpi
Maximum size 150mm × 150mm
TIFF specification
- Version: revion6
- Byte order: Intel exchange byte order (“II”)
- Required field in IFD:
  ImageWidth 、ImageLength 、Compression
  PhotometricInterpretation 、StripOffsets 、RowsPerStrip
  StripByteCounts 、XResolution 、YResolution 、ResolutionUnit

(2) Color

Image type JPEG
Resolution 200dpi
Maximum size 150mm × 150mm
JPEG specification

① Expression of screen – Color space for switching images, rules related to pixel precision, etc.
- Switching color space RGB converted into YCbCr
- Pixel precision 8 bit / Color components, pixel
- Color rendition Color

② Algorithm - Rules related to coding compressed format of images to be exchanged
- Compressed format lossy coding (DCT method)
- Coding processing Baseline sequence processing
- Operation mode Sequential mode
- Entropy coding Huffman encoding

③ Data structure – Rules related to the structure of compressed image data to be converted
- Data structure Exchange type (JFIF)

(b) Does your Office accept color images?

YES ☒ NO ☐

(c) Does your Office apply different regulations or guidelines depending on the color of the image (e.g., different for black-white image and color image)?

YES ☐ NO ☒

(d) Please also indicate your practice for each item listed below based on your regulations or guidelines:

	Black White	Grayscale	Color	Others
Image format	***TIFF Group4***	–	***JPEG***	
Image resolution & Depth	***400dpi***	–	***200dpi***	
Minimum and Maximum size of image	***–150mm ×150mm***	–	***–150mm ×150mm***	
Image color management techniques				
Compression technique & Rate				

Note: Please refer to the above comments.

QUESTION 3

Who carries out the electronic capture?

- ☐ Applicant
- ☒ Your Office
- ☐ Applicant and your Office
- ☐ Other (please specify):

QUESTION 4

Indicate how the images of figurative elements of marks are displayed (e.g., expandable thumbnails, thumbnails only, full screen image):

- ☒ Normal:
- ☒ Expandable thumbnails:
- ☐ Thumbnails only:
- ☐ Full screen image:
- ☐ Other (please specify):

Note: You may choose more than one if applicable.

QUESTION 5

(a) If your customer files a digital image that does not fully comply with the relevant regulation or guideline, how does your Office handle it (please describe in detail)?

Insert your reply below (free text, table, etc.):

An applicant prepares a document in Word etc.,converts it into the JPO formant using application software, and then apply to the JPO.
Image checking is conducted in the application software and the application acceptance system.

(b) Please identify if you "Touch Up" scanned images. What procedures and software tools do you have in place for "Touch Up"?

Insert your reply below (free text, table, etc.):

(c) Please also specify which practice(s) is(are) used to ensure that the quality of mark images is identical to that of original images:

- Skilled person:
  Insert your reply below (free text, table, etc.):
- Procedures (i.e., notification to applications, etc.):
  Insert your reply below (free text, table, etc.):
- Regulations or guidelines:
  Insert your reply below (free text, table, etc.):
- Imaging tool (i.e., scanner, software, etc.:
  Insert your reply below (free text, table, etc.):
- Others (please specify):
  Insert your reply below (free text, table, etc.):

QUESTION 6

How many mark images are stored with the above-indicated format(s) in your Office's computer system(s) (please list breakdown by format)?

Insert your reply below (free text, table, etc.):
400,000 items. (We can not identify the number of the JPEG-image date and the TIFF –image date.)

QUESTION 7

Which color space does your Office currently use (i.e., RGB, sRGB, YcrCb, etc.)?

Insert your reply below (free text, table, etc.):

RGB converted into YCbCr

QUESTION 8

Does your Office have a color management system for equipment such as scanner, monitor, printer, etc., to ensure the image quality?

YES ☐ NO ☒

If "Yes," please specify your practice:

(i) Calibration (please indicate specification of scanner, monitor, printer, etc.):

Insert your reply below (free text, table, etc.):

(ii) Profiling (or characterization):

If applying ICC profile: Insert your reply below (free text, table, etc.):

Others: Insert your reply below (free text, table, etc.):

(iii) Color transformation: Insert your reply below (free text, table, etc.):

QUESTION 9

Please indicate the list of software and hardware on which your Office depends to process electronically an image (in particular color image), which information could eventually be used to establish a new WIPO standard:

Insert your reply below (free text, table, etc.):

QUESTION 10

Please identify any additional information that your Office has discovered related to the processing of images (i.e., best practices, problems, solutions, experiences, etc.):

Insert your reply below (free text, table, etc.):

SECTION II

QUESTION 1

Please indicate your Office's current and future direction for other types of marks (i.e., sound mark, smell mark, motion mark, etc.):

Insert your reply below (free text, table, etc.):

The JPO is considering whether the definition covers trademarks composed of sound, smell, or monochrome as objects to be protected by the Trademark Law.

QUESTION 2

Please indicate the number of applications/registrations your Office currently has, grouped by the type of mark:

Insert your reply below (free text, table, etc.):

Word Mark	1752800(application:320469/registration:1432331)
Figurative	389301(application: 27453 /registration: 361848)
Total	2142101(application:347922/registration:1794179)

QUESTION 3

Please indicate if your Office processes in electronic form any other types of marks besides those mentioned in Question 1 of Section II:

Insert your reply below (free text, table, etc.):

GLOSSARY

Color space:

A color model is an abstract mathematical model describing the way colors can be represented as tuples of numbers, typically as three or four values or *color components* (e.g., RGB and CMYK are color models). However, a color model with no associated mapping function to a reference color space is a more or less arbitrary color system with little connection to the requirements of any given application. For example, Adobe RGB and sRGB are two different color spaces, both based on the RGB model. *(Wikipedia, the free encyclopedia)*

Calibration:

The process of returning a device to known color conditions. Commonly done with devices that change color frequently, such as monitors (phosphors lose brightness over time) and printers (proofers and other digital printing devices can change output when colorant or paper stock is changed). (*Adobe.com*)

Profiling (Characterization):

Characterization is the process of identifying the relationship between a device-dependent color gamut and device-independent color. After a device has been calibrated, characterizing is the next process (sometimes referred to as profiling a device). Any production device that scans, displays, or prints a standard target comprised of many different solids and tints can be characterized. (*Adobe.com*)

ICC profile:

Set of transforms from one colour encoding to another, e.g. from device colour coordinates to profile connection space, prepared in accordance with ICC.1. (*ISO 12231 and ISO 12647-1)*

Color transformation:

A transformation process that begins with color information that is encoded in one color space, or appropriate for one device, and produces corresponding information in a different color space, or for a different device. Color transformations are of particular interest in digital imaging where they are used to transform images from one device space to another, e.g., monitor RGB to printer CMYK). (*Chem industry.com*)

[End of Annex and of questionnaire]