# DRAFT QUESTIONNAIRE ON THE ELECTRONIC REPRESENTATIONS OF DESIGNS

## CONTACT DETAILS

Name:   
*Please indicate the name of the person who filled in the questionnaire, in the format "FIRST NAME LAST NAME”.*

Title:   
*Please indicate the title of the person who filled in the questionnaire.*

Country/Organization:   
*Please indicate the country name or the name of your Organization and the corresponding ST.3 code.*

E-mail address:   
*Please indicate the e-mail address of the person who filled in the questionnaire.*

Telephone:   
*Please indicate the telephone of the person who filled in the questionnaire.*

## GLOSSARY OF TERMS AND ACRONYMS

|  |  |
| --- | --- |
| Term | Definition |
| 2D/3D | Two/three dimensional |
| 3D model | An electronic file that is created by a specialized software, for mathematically representing the surface of an object in three dimensions |
| 3D PDF | 3D models in PDF |
| 3DS | A file format used by the Autodesk 3ds Max 3D modeling, animation and rendering software |
| API | Application programming interface |
| DPI | Dot per inch |
| Design representation | Any image on paper or in electronic files or a physical specimen for the purpose of visually representing the design |
| DWF | Design Web Format |
| DWG | A file format widely used for CAD drawings |
| FTP | File Transfer Protocol |
| GIF | The Graphics Interchange Format |
| Hologram | A photographic recording of a light field, rather than of an image formed by a lens, and it is used to display a fully three-dimensional image of the holographed subject |
| IGES | Initial Graphics Exchange Specification |
| Image search | A method of search for designs by inputting one or more images |
| JPEG | Joint Photographic Experts Group (JPEG) |
| Metadata search | A method of search for designs by inputting metadata text |
| MP4 | A digital multimedia container format most commonly used to store video and audio |
| OBJ | An open geometry vertex file format used for CAD and 3D printing |

|  |  |
| --- | --- |
| PDF | Portable Document Format |
| PNG | Portable Network Graphics |
| PPI | Pixel per inch |
| Raster image | An image that is composed of a map of points (pixels), referred to as a bitmap. Typical file formats for raster images include JPEG, TIFF, PNG and BMP. |
| STL | Standard Tessellation Language - a file format native to the stereolithography CAD software created by 3D Systems |
| SVG | Scalable Vector Graphics, an XML-based vector graphic format based on an open standard developed by the W3C. |
| TIFF | Tagged Image File Format |
| URL | Uniform Resource Locator |
| Vector graphics | An image file that is composed of shapes formed of mathematical formulas and coordinates on a 2D plane. As opposed to raster images, vector graphics have the property of scaling infinitely without any degradation of quality. |
| View | The formed 2D image when the design (normally a 3D object) is viewed or projected, e.g., front view, rear view, perspective view |
| X3D | Successor of VRML, an Open ISO Standard XML format |

## Part 1- FILING REQUIREMENT

This part of the questionnaire relates to the application requirements for the design representations.

### Question 1 – figures on type of filling and representation

Please supply the statistics concerning paper and electronic filing.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Type of filling | 2015 | 2016 | 2017 | Total |
| Paper filing |  |  |  |  |
| Electronic filing |  |  |  |  |
|  | | | | |
| Type of representation | 2015 | 2016 | 2017 | Total |
| 2D views |  |  |  |  |
| 3D models |  |  |  |  |
| Video |  |  |  |  |
| Specimen |  |  |  |  |
| Hologram |  |  |  |  |

### Question 2 – 2D, 3D and video representation and limitations

Please tick or specify the design representations electronic files that are acceptable by your Office/Organization.

1. 2D image

|  |  |  |  |
| --- | --- | --- | --- |
| Image type | Acceptable? | Minimum size (width x height in pixel) | Maximum size (width x eight in pixel) |
| JPEG |  |  |  |
| TIFF |  |  |  |
| PNG |  |  |  |
| GIF |  |  |  |
| PDF |  |  |  |
| SVG |  | Not Applicable | Not Applicable |
| Other (specify) |  |  |  |

1. 3D models

|  |  |  |
| --- | --- | --- |
| 3D model format | Acceptable? | Indicate any limitation |
| 3D PDF |  |  |
| 3DS |  |  |
| DWG |  |  |
| DWF |  |  |
| IGES |  |  |
| STL |  |  |
| X3D |  |  |
| OBJ |  |  |
| Other(specify) |  |  |

1. Video

|  |  |  |
| --- | --- | --- |
| Video format | Acceptable? | Indicate any limitation |
| MP4 |  |  |
| Other(specify) |  |  |

1. File limitation

* Accept images in color
* Accept images in grayscale
* Accept images in black/white
* Accept photograph images
* The maximum number of characters in an electronic file name is limited. (If yes, how many characters?):
* The maximum size of an electronic file in MB:
* The maximum size of the sum of all electronic files for one design in MB:
* The maximum number of electronic files per design:
* Allow one electronic file to represent more than one view.
* Allow one view to be split into more than one electronic file.
* Others (specify)

### Question 3 – Paper format

Please tick or specify the design representations on paper that are acceptable by your Office/Organization:

* Minimum image size (specify width x height in cm)
* Maximum image size (specify width x height in cm)
* Allow more than one view on each page.
* Allow a view to be split into more than one page.
* Minimum paper size (specify width x height in cm)
* Maximum paper size (specify width x height in cm)
* URL for requirement details

### Question 4 – Capture of representation in paper and/or specimen

Please tick or specify the requirement at your Office/Organization to capture the view images into electronic files from the images on paper and/or specimen submitted by the applicant.

* No view image capture from paper
* No view image capture from specimen
* Resolution in DPI (specify)
* The output image is black/white unless color is necessary.
* The output image is always in color.
* The output file format (e.g., JPEG, TIFF) is:
* The output image has the same legal authenticity as the original paper/specimen.
* How many years is the original paper/specimen kept for as authentic record?
* The original paper/specimen is destroyed after quality assurance of the captured view images.

### Question 5 – Capture 2D views from 3D-model or video

Please tick or specify the requirement at your Office/Organization to capture the 2D views from the 3D-model or video submitted by the applicant.

* Not applicable
* No view image capture from 3D models
* No view image capture from video
* Summary of the requirement and process
* URL for details of the requirement and process

### Question 6 – Capture of hologram

Please tick or specify the requirement at your Office/Organization to capture the view images into electronic files from the holograms submitted by the applicant.

* Not applicable as no holograms are accepted
* No view image capture from hologram
* Summary of the requirement and process
* URL for details of the requirement and process

### Question 7 – Image transformation

Please tick or specify the image transformations that your Office/Organization carries out for capture, processing or publication preparation.

* No transformations (defective images are rejected)
* Color corrections for scanned images
* White-space trimming (please specify the conditions)
* Scaling and resizing (please specify the conditions)
* File format conversions
* Rasterizing vector images
* Other transformations

## Part 2 – THIRD PARTY SUBMITTING DESIGN REPRESENTATIONS

This part of the questionnaire relates to the requirements for the design representations from non-applicants (e.g., a third party submitting a prior art). Does your Office/Organization have the same requirement for the design representations from applicants and non-applicants?

* Not applicable
* Yes
* No, there are no specific requirements for non-applicants
* No, there are different requirements for non-applicants (specify)

## Part 3 – PUBLICATION OF DESIGN REPRESENTATIONS

This part of the questionnaire relates to the publication requirements for the design representations.

### Question 1 – Publication type

Please tick or specify the ways by which your Office/Organization publishes the design representations.

* On-line publication for web browser access
* On-line publication for web service (API) access
* Data and image files available on a public repository (e.g., FTP)
* Paper publication
* Others (specify)

### Question 2 – 2D and 3D representation and limitations

Please tick or specify the requirements by which your Office/Organization publishes the design representations on-line.

* Not applicable
* Only publish 2D view images
* Publish 3D models if available
* Publish video if available
* All 2D design representations are published in a single format (e.g., PDF) (specify)
* 2D Design representations are published in multiple formats (e.g., PDF and JPEG) (specify)
* The published design representations are exactly the same as what have been filed by the applicant.
* The published design representations may differ from what have been filed by the applicant in file format (e.g., from JPEG to PDF).
* The published design representations may differ from what have been filed by the applicant in image size by pixels.
* The published design representations may differ from what have been filed by the applicant in quality (e.g., color to B/W conversion).
* Publish 2D image in JPEG
* Publish 2D image in TIFF
* Publish 2D image in PNG
* Publish 2D image in GIF
* Publish 2D image in SVG
* Publish 2D image in PDF
* Publish 2D image in other format(specify)
* Minimum 2D raster image size (specify width x height in pixel)
* Maximum 2D raster image size (specify width x height in pixel)
* Publish 3D image (specify the format)
* Publish Video (specify the format)
* Publish black/white images unless color is necessary
* The maximum number of characters in an electronic file name is limited. (if yes, how many characters?):
* The maximum size of an electronic file in MB:
* The maximum size of the sum of all electronic files for one design in MB:
* The maximum number of electronic files per design:
* Allow one electronic file to represent more than one view.
* Allow one view to be split into more than one electronic file.
* Others (specify)

## Part 4 – DISPLAY OF DESIGN REPRESENTATIONS ON SCREEN

This part of the questionnaire relates to the requirements for displaying design representations in your office’s process of formality/substantive examination and administration of design applications and registrations.

### Question 1

Please tick or specify the ways by which your Office/Organization displays the design representations.

* Electronic display
* Paper printing
* Others (specify)

### Question 2

Please tick or specify the requirements by which your Office/Organization displays the design representations electronically.

* Not applicable
* 2D design representations are converted into a single raster format (e.g., JPEG) for displaying (specify)
* 2D Design representations are converted into multiple raster formats (e.g., PNG and JPEG) (specify)
* The displayed design representations are exactly the same as what have been filed by the applicant.
* The displayed design representations may differ from what have been filed by the applicant in file format (e.g., from JPEG to PNG).
* The displayed design representations may differ from what have been filed by the applicant in image size by pixels.
* The displayed design representations may differ from what have been filed by the applicant in quality (e.g., color to B/W conversion).
* Minimum 2D image size (specify width x height in pixel)
* Maximum 2D image size (specify width x height in pixel)
* The minimum display bit depth is:
* The maximum display bit depth is:
* Minimum display resolution in PPI is:
* Maximum display resolution in PPI is:
* 3D model (specify the format)
* Video (specify the format)
* Display black/white images unless color is necessary.
* The maximum size of an electronic file in MB:
* The maximum size of the sum of all electronic files for one design in MB:
* The maximum number of electronic files per design:
* Allow one electronic file to represent more than one view.
* Allow one view to be represented in more than one electronic file.
* Others (specify)

## Part 5 – CERTIFICATE AND PRIORITY DOCUMENTS

This part of the questionnaire relates to the requirements for the document that evidences the recording of the design rights, such as a copy of the design application (priority document), certificate of registrations or a design patent.

Question 1

Does your Office/Organization have the same requirement for displaying the images in the publication and in the document evidencing the recording of the design rights?

* Yes
* No (please specify the requirements)

## Part 6 – INDEXATION AND SEARCH

This part of the questionnaire relates to the requirements for searching design representations in your office’s process of formality/substantive examination and administration of design applications and registrations.

### Question 1

Please tick or specify the ways by which your Office/Organization searches the design representations.

* metadata search
* Image search
* Combination of metadata and image search
* Others (specify)

### Question 2

Please tick or specify the metadata used in your Office/Organization’s image search system.

* Not applicable
* List of metadata used
* URL for more information on your image search system

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