Report for Implementation of WIPO Standard ST.91

Response Counts

Completion Rate:	**100%**	
	Complete	22

Totals: 22

1. Please enter the ST.3 code and name of the member state or international organization you represent.

| Count	Response
1	BG - Bulgaria
1	BT - Bhutan
1	CA - Canada
1	CZ - Czechia
1	DE - Germany
1	EA - Eurasian Patent Organization (EAPO)
1	EE - Estonia
1	EM - European Union Intellectual Property Office (EUIPO)
1	EP - European Patent Office (EPO)
1	GB - United Kingdom
1	GM - Gambia
1	HR - Croatia
1	HU - Hungary
1	IP Australia
1	IT - Italy
1	JP - Japan
1	KR - Republic of Korea
1	LT - Lithuania
1	Namibia
1	RU - Russian Federation
1	SK - Slovakia
1	SY - Syrian Arab Republic

2. Please enter the name of the office or organization you represent. For instance, Canadian Intellectual Property Office. If your organization name is the same as your ST.3 code name, you may put "n/a".

Count	Response
1	BIPA
1	Canadian Intellectual Property Office
1	Department of Media, Creative Industry and Intellectual Property
1	Directorate of Industrial and Commercial property (DCIP)
1	Eurasian Patent Office
1	European Patent Office
1	Federal Service for Intellectual Property (ROSPATENT)
1	German Patent and Trade Mark Office
1	Hungarian Intellectual Property Office
1	Industrial Property Office of the Czech Republic
1	Industrial Property Office of the Slovak Republic
1	Intellectual Property Office
1	Italian Patent and Trademark Office
1	Japan Patent Office
1	Korean Intellectual Property Office
1	Patent office of the Republic of Bulgaria
1	Same as above
1	State Intellectual Property Office of the Republic of Croatia
1	The Estonian Patent Office
1	The Gambia Industrial Property Office
1	The State Patent Bureau of the Republic of Lithuania
1	n/a

3. Please enter your email address so we can contact you if we have questions about your response.

Count	Response
1	MDB-QualityPracticeCustomers-Designs@ipaustralia.gov.au
1	alieujabs@outlook.com
1	alsalam.tarek@gmail.com
1	asekretov@eapo.org
1	avelichkova@bpo.bg
1	deimante.ivinskiene@vpb.gov.lt
1	fferreira@epo.org
1	gyongyi.szilvitzky@hipo.gov.hu
1	ito-yuto@jpo.go.jp
1	jakub.juzl@upv.gov.cz
1	josepho@bipa.na
1	julie.daltrey@ipo.gov.uk
1	katarina.dovalova@indprop.gov.sk
1	kdh0417@korea.kr
1	kzangmo@moice.gov.bt
1	lino.fanella.ext@mise.gov.it
1	manon.michaud@ised-isde.gc.ca
1	pamela.lopez@euipo.europa.eu
1	sasa.pigac@dziv.hr
1	thomas.plarre@dpma.de
1	veera.terestsenkova@epa.ee
1	vmamontov@rospatent.gov.ru

4. Q 1. Does your Office currently use 3D models, 3D images or 3D chemical structures?

5% Other (please specify)

41% Yes

55% No
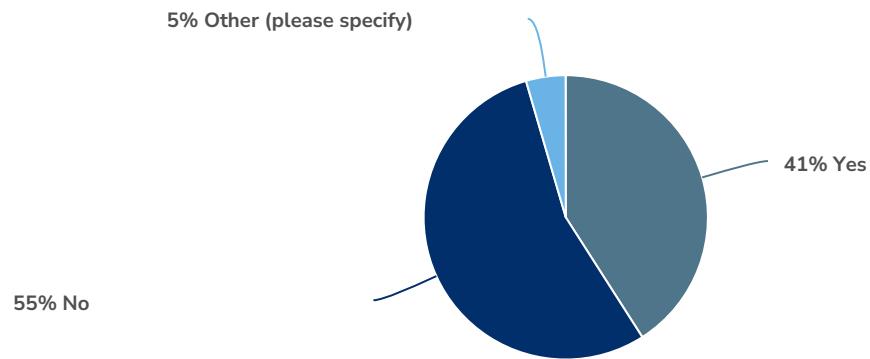
Value	Percent	Responses
Yes	40.9%	9
No	54.5%	12
Other (please specify)	4.5%	1

Totals: 22

Other (please specify)	Count
Yes for Industrial Design and Patent	1
Totals	1

5. Q 1.1. If yes, for what IP rights:
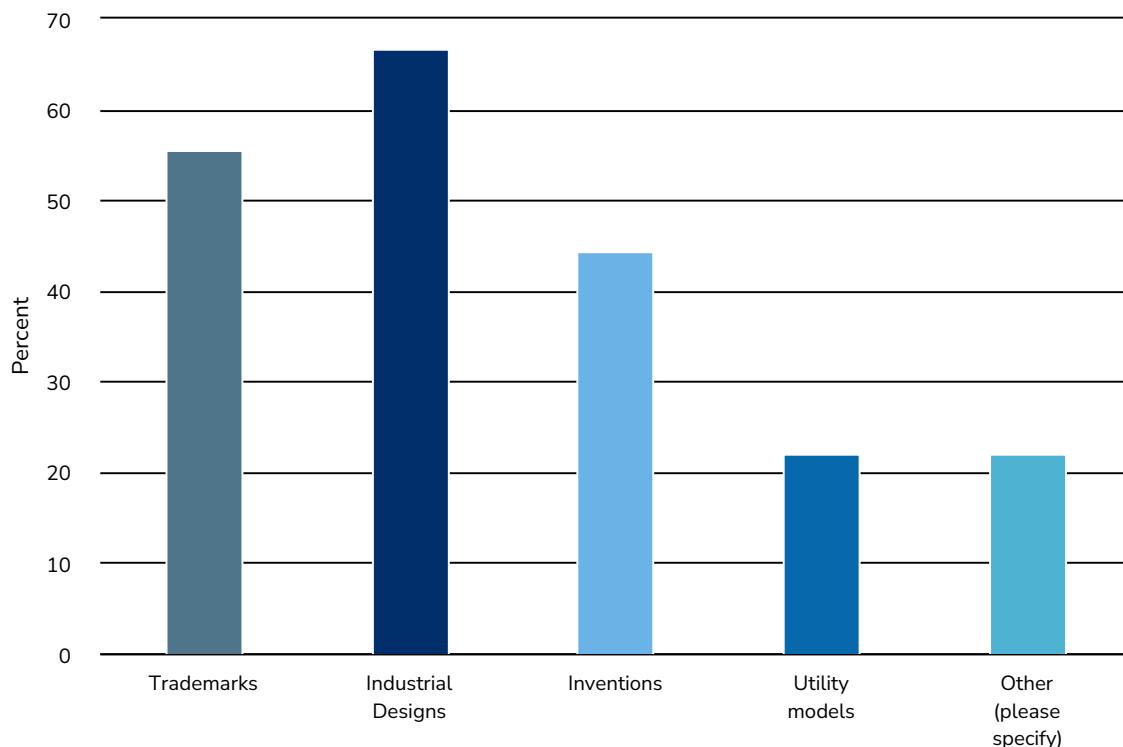
Value	Percent	Responses
Trademarks	55.6%	5
Industrial Designs	66.7%	6
Inventions	44.4%	4
Utility models	22.2%	2
Other (please specify)	22.2%	2

Other (please specify)	Count
The UK IPO accepts 3D Models and 3D Images for trade marks only. These can be viewed on the UK IPO Internet Case Enquiry service but not via the trade marks journal.	1
Yes. Designs for 3D models, drawings, and photos are the preferred formats for representations. In some cases, we do accept specimens and 3D models with design applications. However, it is important to note that while we can use a 3D model as a visual aid during the examination process, it won't be considered an official representation. We do not currently use 3D models, images or chemical structures for trade marks.	1
Totals	2

6. Q 1.2. Does your Office implement WIPO Standard ST.91 within its work?
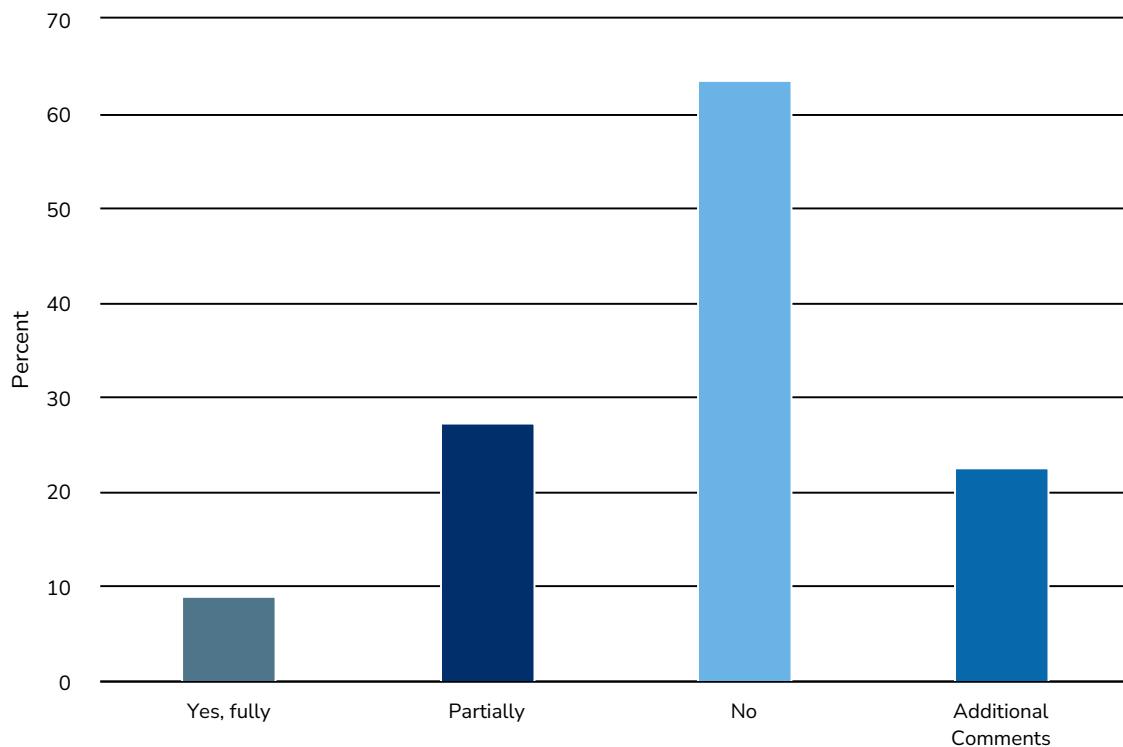
Value	Percent	Responses
Yes, fully	9.1%	2
Partially	27.3%	6
No	63.6%	14
Additional Comments	22.7%	5

Additional Comments	Count
For Industrial Design and patent	1
CIPO does not manage, store, process or exchange 3D models or images. However, CIPO does search and examine 3D chemical structures	1
EUIPO supports two of the formats recommended by the standard for trademark and design application, OBJ and STL, but it also supports the X3D format, which is not currently recommended in the standard. The maximum file size limit is stablished in 20MB.	1
No – additional comments below.	1
The UK IPO is carrying out a major transformation program. Implementation of ST.91 will be considered in the next phase of the program.	1
Totals	5

7. Q 2.1. What formats of 3D models, 3D images or 3D chemical structures does your Office currently accept for each IP right?

	Trademarks	Industrial Designs	Inventions (except 3D chemical structures)	Utility models	Integrated circuit topology	Inventions (3D chemical structures)	Total Checks
None, my Office doesn't operate this type of IP right Checks Row Check %	7 18.9%	4 10.8%	5 13.5%	7 18.9%	8 21.6%	6 16.2%	37
None, my Office doesn't accept 3D models, 3D images or 3D chemical structures for this type of IP right Checks Row Check %	7 13.5%	9 17.3%	9 17.3%	9 17.3%	9 17.3%	9 17.3%	52
3D PDF Checks Row Check %	2 13.3%	5 33.3%	3 20.0%	3 20.0%	0 0.0%	2 13.3%	15
IGES Checks Row Check %	0 0.0%	1 100.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	1
OBJ Checks Row Check %	4 44.4%	3 33.3%	1 11.1%	1 11.1%	0 0.0%	0 0.0%	9
STL Checks Row Check %	4 44.4%	3 33.3%	1 11.1%	1 11.1%	0 0.0%	0 0.0%	9
STEP/STP Checks Row Check %	1 12.5%	3 37.5%	2 25.0%	1 12.5%	0 0.0%	1 12.5%	8
U3D Checks Row Check %	1 25.0%	1 25.0%	1 25.0%	1 25.0%	0 0.0%	0 0.0%	4
MOL Checks Row Check %	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	1 100.0%	1
CDX Checks Row Check %	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	1 100.0%	1
Total Checks Checks % of Total Checks	26 19.0%	29 21.2%	22 16.1%	23 16.8%	17 12.4%	20 14.6%	137 100.0%

8. Q 2.1. What formats of 3D models, 3D images or 3D chemical structures does your Office currently accept for each IP right? - comments

ResponseID	Response
	Designs - for the submission of 3D image designs, the accepted file format is exclusively PDF limited to 40 MB per file. It is worth noting that in addition to PDF, the acceptable file formats for design images encompass .jpg, .jpeg, .png, .tif, and .tiff. Trade marks – we do not accept any formats of 3D models, images or chemical structures at this stage.
	For inventions (Patents) we search and examine 3D chemical structures using a tool called STN.
	X3D (it should be discussed to include this format in ST.91, due to the use of this format within the European Union)
	N/A
	The UK IPO also accepts X3D files (as per ST.91) which is not listed above. Integrated Circuit Topology Rights (known in the UK as Semi-Conductor Topography Rights) are an unregistered right in the UK so the UK IPO does not receive any applications/models or images in connection with this right type.
	X3D, both for Trademarks and Industrial Designs

9. Q 2.2. What software does your Office currently use for the visualization of 3D models, 3D images or 3D chemical structures during the examination process? Please specify:

Count	Response
2	-
2	None
1	-
1	CADian Viewer(developed by a domestic company)
1	Designs allow customers to upload a PDF that contains a 3D model. These are viewed using Adobe Acrobat Trade marks do not allow customers to upload 3D models, as such do not incorporate any software for this purpose.
1	Industrial Property Automation System (IPAS)
1	JPO currently doesn't use software for the visualization of 3D models, 3D images or 3D chemical structures during the examination process.
1	N/A
1	NONE
1	Rospatent uses the in-house developed information system, specifically designed for the IPO given the experts needs and requirements, including visualization and search modules.
1	STN for searching chemical structures
1	STP Viewer FreeCAD
1	The UK IPO uses 3rd party JSON script libraries for the visualisation of 3D Models & 3D Images for Trade Marks
1	Windows 3D Viewer and Paint 3D, depending on the format.
1	n/a
1	web browser is used for visualizing files containing 3d models. The following 3rd party javascript libraries are used: X3DOM for X3D files and jsc3d-library for Wavefront obj and STL (both binary and ascii) files

10. Q 2.3. What formats of 3D models, 3D images or 3D chemical structures does your Office currently use for the electronic publication for each IP right operated by Office?

	Trademarks	Industrial Designs	Inventions (except 3D chemical structures)	Utility models	Integrated circuit topology	Inventions (3D chemical structures)	Total Checks
None, my Office doesn't operate this type of IP right Checks Row Check %	7 18.4%	5 13.2%	5 13.2%	7 18.4%	8 21.1%	6 15.8%	38
None, my Office doesn't publish information of this type of IP right electronically Checks Row Check %	3 18.8%	2 12.5%	2 12.5%	3 18.8%	3 18.8%	3 18.8%	16
None, my Office doesn't publish information of 3D models, 3D images or 3D chemical structures electronically even if they were accepted Checks Row Check %	6 14.6%	7 17.1%	7 17.1%	7 17.1%	6 14.6%	8 19.5%	41
2D images received by my Office from the source 3D models or 3D images Checks Row Check %	0 0.0%	1 100.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	1
3D PDF Checks Row Check %	2 11.8%	5 29.4%	4 23.5%	3 17.6%	0 0.0%	3 17.6%	17
IGES Checks Row Check %	0 0.0%	1 100.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	1
OBJ Checks Row Check %	3 60.0%	2 40.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	5

	Trademarks	Industrial Designs	Inventions (except 3D chemical structures)	Utility models	Integrated circuit topology	Inventions (3D chemical structures)	Total Checks
STL Checks Row Check %	3 60.0%	2 40.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	5
STEP/STP Checks Row Check %	0 0.0%	1 100.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	1
Total Checks Checks % of Total Checks	24 19.2%	26 20.8%	18 14.4%	20 16.0%	17 13.6%	20 16.0%	125 100.0%

11. Q 2.3. What formats of 3D models, 3D images or 3D chemical structures does your Office currently use for the electronic publication for each IP right operated by Office? - comments

ResponseID	Response
	Designs do not publish 3D formats. They are used for internal reference only. This is also the case for trade marks.
	2D PDF
	X3D (it should be discussed to include this format in ST.91, due to the use of this format within the European Union)
	The UK IPO also uses X3D files for trade marks
	X3D, both for Trademarks and Industrial Designs

12. Q 2.4. What software does your Office currently use for the electronic publication of 3D models, 3D images or 3D chemical structures?

Count	Response
3	None
2	-
1	2D PDF
1	Designs do not publish 3D formats. They are used for internal reference only. This is also the case for trade marks.
1	Industrial Property Automation System (IPAS)
1	JPO currently doesn't use software for the electronic publication of 3D models, 3D images or 3D chemical structures.
1	JSC3D and X3DOM JavaScript libraries
1	N/A
1	NONE
1	Not applicable
1	PDF Viewer
1	Rospatent uses the in-house developed information system, specifically designed for the IPO given the experts needs and requirements, including visualization and search modules. The system is also capable of creating 3D PDF of each 3D representation filed, that is further published as part of the official e-publication in PDF format at post-registration stage or filed application in line with the publication rules and requirements depending on the IPR type
1	We use custom tool for conversion of filed 3D formats into 3D PDF, based on the solution implemented in cooperation with FIPS/Rospatent.
1	n/a
1	web browser is used for visualizing files containing 3d models. The following 3rd party javascript libraries are used: X3DOM for X3D files and jsc3d-library for Wavefront obj and STL (both binary and ascii) files

13. Q 2.5. What formats of 3D models, 3D images or 3D chemical structures does your Office currently use for the paper publication for each IP right?

	Trademarks	Industrial Designs	Inventions (except 3D chemical structures)	Utility models	Integrated circuit topology	Inventions (3D chemical structures)	Total Checks
None, my Office doesn't operate this type of IP right Checks Row Check %	6 16.7%	5 13.9%	5 13.9%	6 16.7%	8 22.2%	6 16.7%	36
None, my Office doesn't publish information of this type of IP right on paper Checks Row Check %	7 16.7%	9 21.4%	7 16.7%	6 14.3%	6 14.3%	7 16.7%	42
None, my Office doesn't publish information of 3D models, 3D images or 3D chemical structures on paper even if they were accepted Checks Row Check %	6 16.7%	7 19.4%	6 16.7%	6 16.7%	5 13.9%	6 16.7%	36
2D images received by Office from the source 3D models or 3D images Checks Row Check %	1 12.5%	3 37.5%	1 12.5%	1 12.5%	1 12.5%	1 12.5%	8
Link to the 3D object online Checks Row Check %	2 100.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	2
Total Checks Checks % of Total Checks	22 17.7%	24 19.4%	19 15.3%	19 15.3%	20 16.1%	20 16.1%	124 100.0%

14. Q 2.5. What formats of 3D models, 3D images or 3D chemical structures does your Office currently use for the paper publication for each IP right? - comments

ResponseID	Response
	None, my Office doesn't publish information of this type of IP right on paper. Designs do not publish 3D formats. They are used for internal reference only. This is also the case for trade marks.
	The publications are only available in electronic form
	Paper publications relating to 3d-marks embed a printable QR-Code which contains a link to the 3d model file in DPMAregister
	The UK IPO no longer publishes on paper and has not done so for 10+ years
	Note. EUIPO does not publish data on paper format, so the responses refer to the "printable" publication of IP rights data (i.e. gazettes).

15. Q 2.6. Does your Office carry out search for the comparison of the 3D models and 3D images with 3D models and 3D images during the examination process and if so, in what formats for each IP right?

	Trademarks	Industrial Designs	Inventions (except 3D chemical structures)	Utility models	Integrated circuit topology	Total Checks
No Checks Row Check %	15 20.3%	16 21.6%	14 18.9%	14 18.9%	15 20.3%	74
Yes, my Office uses 2D representations of 3D models for the comparison Checks Row Check %	1 12.5%	3 37.5%	2 25.0%	2 25.0%	0 0.0%	8
Yes, my Office uses 3D models themselves for the comparison Checks Row Check %	2 33.3%	2 33.3%	1 16.7%	1 16.7%	0 0.0%	6
Total Checks Checks % of Total Checks	18 20.5%	21 23.9%	17 19.3%	17 19.3%	15 17.0%	88 100.0%

16. Q 2.6. Does your Office carry out search for the comparison of the 3D models and 3D images with 3D models and 3D images during the examination process and if so, in what formats for each IP right? - comments

ResponseID	Response
	No. We can use a 3D model as a visual aid during the examination process, however it won't be considered an official representation. This implies: The applicant is still required to submit 2D representations. The 3D model won't influence the scope of protection for the design. The 3D model won't be included in the Australian Design Search database, the Australian Journal of Designs, or any certificates. For trade marks, we do not utilise 3D models in the course of examination. The applicant is required to submit a 2D representation for shape marks in isometric or perspective drawings, along with a description of the shape in the form of an endorsement.
	CIPO received 2D representation of 3D chemical structures. Employees create a 3D representation in the search tool STN and do a search against the database.
	N/A

17. Q 2.7. What software does your Office currently use for the comparison of the 3D models and 3D images with 3D models and 3D images during the examination process?

Count	Response
2	-
1	ACSEPTO is used for examiners & external customers to view 3D models & 3D images for trade marks
1	Designs are viewed using Adobe Acrobat, which includes a PDF that contains a 3D model. There is no other software used during the examination process that compares 3D models to 3D images. There is no software being used for trade marks.
1	Industrial Property Automation System (IPAS)
1	JPO currently doesn't use software for the comparison of the 3D models and 3D images with 3D models and 3D images during the examination process.
1	KIPO does not directly compare 3d images with 3d images during the examination process.
1	N/A
1	NONE
1	No any specific software. The experts engage in visual comparison
1	None
1	Not applicable
1	Rospatent uses the in-house developed information system, specifically designed for the IPO given the experts needs and requirements, including visualization and search modules. Seach module was designed and developed using both statistical and AI methods (Siamese neural network) to carry out search and comparison of 3D visual representations
1	We use STN to compare 2D chemical structures that we receive as part of the application against 3D structures that are in the STN database.
1	n/a
1	none

18. Q 2.8. Does your Office carry out search for the comparison of the 3D models and 3D images with 2D images during the examination process and if so, in what formats for each IP rights?

	Trademarks	Industrial Designs	Inventions (except 3D chemical structures)	Utility models	Integrated circuit topology	Total Checks
No Checks Row Check %	14 18.9%	15 20.3%	15 20.3%	15 20.3%	15 20.3%	74
Yes, my Office uses 2D representations of 3D models for the comparison Checks Row Check %	3 33.3%	4 44.4%	1 11.1%	1 11.1%	0 0.0%	9
Yes, my Office uses 3D representations of 2D images for the comparison Checks Row Check %	1 25.0%	1 25.0%	1 25.0%	1 25.0%	0 0.0%	4
Total Checks Checks % of Total Checks	18 20.7%	20 23.0%	17 19.5%	17 19.5%	15 17.2%	87 100.0%

19. Q 2.8. Does your Office carry out search for the comparison of the 3D models and 3D images with 2D images during the examination process and if so, in what formats for each IP rights? - comments

ResponseID	Response
	N/A

20. Q 2.9. What software does your Office currently use for the comparison of the 3D models and 3D images with 2D images during the examination process?

Count	Response
2	-
2	Not applicable
1	ACSEPTO is used for trade mark searching
1	For 3D Designs models, drawings, and photos are the preferred formats for representations, filed as a PDF using Adobe Acrobat. While we can use a 3D model as a visual aid during the examination process, it won't be considered an official representation. This implies: The applicant is still required to submit 2D representations. The 3D model won't influence the scope of protection for the design. The 3D model won't be included in the Australian Design Search database, the Australian Journal of Designs, or any certificates.
1	Industrial Property Automation System (IPAS)
1	Internal prior design search system and AI image search system which is based on a self-developed model.
1	JPO currently doesn't use software for the comparison of the 3D models and 3D images with 2D images during the examination process.
1	N/A
1	NONE
1	No any specific software. The experts engage in visual comparison
1	None
1	Rospatent uses the in-house developed information system to automatically create 2D views of filed 3D representations as recommended by the Standard, that also allows experts to manually adding other 2D representations. Such an approach is also applied in other in-house developed information systems to carry out similarity search of trademarks and industrial designs 2D representations
1	We use standard image (JPG) Windows viewer
1	none

21. Q 3.1. Please describe existing practices or future plans for using 3D models, 3D images or 3D chemical structures within your Office

Count	Response
1	As noted in our response to Question 1.2 the UK IPO is about to start the second phase of a major IT transformation program. We will be considering our existing and future plans for using 3D models & 3D images at this time.
1	Considering 3D models for Community Designs in future
1	Currently, 3D representations are considered as supplementary material in applications for trademarks, industrial designs, inventions and utility models. The in-house information system is used for processing applications, containing 3D visual representations. The current work is focused on collecting more 3D representations to properly train the neural network. Furthermore, the work is ongoing to integrate search capabilities into the patent search system, in addition to the trademarks and industrial designs search system.
1	Designs - ACIP Designs Review Recommendation 21 Decision Regarding Recommendation 21 from the ACIP Designs Review, the acceptance of 3D models for designs, ACIP has concluded that no changes should be made to the designs system at this time in response to 3D printing and scanning technologies. There are currently no existing or future plans to cater for 3D models, images or chemical structures with respect to trade marks.
1	During CIPO's modernization of its legacy systems there are plans to look at emerging technologies which could include looking at the need and feasibility of implementing the use of tools for 3D models, 3D images or 3D chemical structures.
1	EUIPO currently accepts 3D models (OBJ, STL, X3D) to represent three-dimensional trademarks and designs. When filing a design application with a 3D model, the user must select up to 7 views that will be protected. The EUIPO is undergoing impact assessment for the upcoming legislative reform of the design regulation, which might impact the current practice of the Office.
1	I don't have specific information regarding the utilization of 3D models, 3D images, or 3D chemical structures within the Office in Bhutan.
1	KIPO has introduced 3D images in industrial design since 2010, and efforts are being made to continuously improve performance and stabilize the system by collecting user opinions.
1	N/A
1	No current plan
1	Office uses 2D representations of 3D models in the JPG file format with file size till to 2 MB a resolution = 300 dpi
1	Our office currently uses 2D images throughout the IP right lifecycle. We have noted some interest from applicants regarding the filing of 3D models in the area of industrial designs.
1	Our office use 2D images of 3D models
1	Our office would like to engage CWS member offices using their 3D tools to learn from best practices before implementation.
1	There are no plans for the near term
1	Three-dimensional trademarks are accepted, but the filing format of the electronic file is JPEG.
1	We are still reading more on the subject matter.
1	We plan to introduce search tools for the comparison of the 3D models and 3D images.

22. Q 3.2. Please describe existing practices or future plans relating to the implementation of WIPO Standard ST.91 within your Office

Count	Response
1	-
1	As indicated in question 1.2, EUIPO only partially implements ST.91's recommended file extensions. A consultation has been launched with the 3D Task Force to clarify the reasons for excluding the X3D format from the recommended formats in ST.91. Regarding points 11 and 12 in ST.91, which state that 'If required, at an applicant's request the receiving IPO can accept files larger than the said maximum', EUIPO has no plans to alter the current file size limits.
1	Currently, Rospatent fully implements WIPO Standard ST.91
1	For the implementation of WIPO Standard ST.91 within our office, the initial step entails revising our Industrial Property Act of the Kingdom of Bhutan, 2001, particularly focusing on trademarks.
1	Future plans depend more on activities of EUIPO rather than on WIPO Standard ST.91
1	In the event that CIPO uses 3D models, 3D images or 3D chemical structures, CIPO plans to leverage the WIPO Standard.91.
1	In the meetings of the National Committee on the National Intellectual Property Strategy I suggested including 3D models and 3D images of intellectual property laws in Syria, to help creators identify the most appropriate forms of protection for their 3D models and images. Therefore in the future WIPO Standard ST.91 will be used in our office
1	KIPO has fully implemented ST.91 since last December, and we are now working on monitoring the system and performance improvements.
1	N/A
1	No current plan
1	Our office currently uses 2D images throughout the IP right lifecycle. Due to task prioritization we do not have specific plans to implement ST.91 as of now. We do expect to implement ST.91 if 3D models are adopted within our office in the future.
1	Our office does not practice the using of 3D tools as it is not in existence within our office. On that note we would like to be engaged with TF members offices already using the tools to learn from best practices before implementation.
1	Please see our response to Questions 1.2 & 3.1
1	The topic of accepting 3D models for designs was discussed during the ACIP Designs Review Recommendation 21 The historical context surrounding this matter traces back to its introduction, which occurred around the year 2017. Initially, the incorporation of 3D filing options was primarily intended to serve as a visual aid to assist examiners in their tasks. It is important that challenges persist with regard to the publication of such representations on the Australian Designs System (ADS).During that period, our organisation held a supportive stance toward embracing advancing technology and recognising the advantages it presented to both our customers and staff members in the utilisation of 3D files. In principle, the idea of permitting 3D representations as an additional means for design assessment appeared commendable. However, we also had to carefully consider the capabilities of our systems, as well as the essential requirement for 2D representations, particularly for conve
1	There are no existing future plans for ST.91 WIPO Standard implementation
1	Under study
1	We are still reading more on the subject matter
1	We plan to cover all formats of 3D models and 3D images recommended by the WIPO Standard ST.91.

23. Q 4. Any other comments

Count	Response
2	-
2	N/A
2	None
1	1- I suggest creating a pilot testing program for WIPO Standard ST.91 and other WIPO standards with Member States to urge Member States to deal with these standards, spread a culture of their use, and ensure practical application and effectiveness in Member States. Updated WIPO Standard ST.91 and other WIPO standards based on feedback from pilot testing program. including guidance on best practices and compliance requirements. 2- Due to the spread of hologram technology and its use in trademarks and advertising, this requires effective protection for it. Therefore, I propose to find a special standard for hologram technology and not on the basis of video or 3D images.
1	Bhutan has attended the WIPO Standard Committee meeting only once; as a result, we struggle to keep up with international norms.
1	none