



Norwegian Industrial  
Property Office

3D Workshop:  
3D formats: Practical challenges for  
NIPO, usage and users

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## Principle of NIPO management

### General policy:

- Only declared file formats can be stored. Files are validated (content-type + security) during upload for e-filing
- We restrict to formats we can manage under our obligations to; **Store, archive** and **publish!** Exceptions for archive regulations only based on industry standard formats (WIPO ST.xx)
- We avoid any need for transform, translation, embedding or extract within office process
- We allow docx and open formats, but all are rendered to PDF

### Specific per domain

- **Trademark:**  
JPEG/PNG, video, sound files and **ISO-standard 3D-files** may be filed.  
For video there is no requirement for 2D-representation  
For other visual marks, we recommend multi perspective views in 2D in addition.  
3D-formats according to ST.91 in addition.
- **Design:**  
We allow 3D-filing as “objects” only explanatory for the design (ST.91)  
For 3D always multiple angle 2D-views, which are controlled to show same object.
- **Patent:**  
3D files not accepted.

## NIPO practice today

- 3D filing and **publication** only available for Trademark today
  - Filing for Design as “object” not be published is available
- **For video/moving mark**, there is no need for thumb/image/visual representation!
  - The video “replaces” the 2D-view. A thumb is available in video-view
  - The published video can be downloaded AND run in gazette view
  - Examples:
    - Aliva in Register: [Trademark 202310468 - NIPO](#)
    - Avarn Security from gazette: [Tidende](#)
- IF 3D-mark **NIPO recommends multiple 2D views.**
  - (3D in addition)  
All are considered “the mark.”

**We have not yet received any with 3D file for TM!**

Later demo from manipulated views on internal TEST platform

# Demo (skip)

- First we find a traditional 3D-mark without 3D-file  
Then view the registration event in the Gazette: Only multiple 2D views



The screenshot shows the Norwegian Industrial Property Office (NIPO) website interface. On the left is a navigation menu with items like 'Key information', 'List of products', 'Documents', 'Priority', 'Applicants and owners', 'Agent', 'Status history', 'Payment history', 'Oppositions and appeals', 'Alteration of mark', 'Liens and licences', and 'Gazette entries'. The main content area displays a search bar and a menu. A large modal window is open, showing multiple 2D views of a red bull character trademark. The views include a full-body front view, three-quarter views, and close-up views of the head and body. At the bottom of the modal, the text 'Prod: Trademark 202500972 - NIPO' is visible.

Prod: Trademark 202500972 - NIPO

# Demo (2)

- Then we browse to the bottom of the register details to open gazette "Case" view window where we select to display the event "Registered":



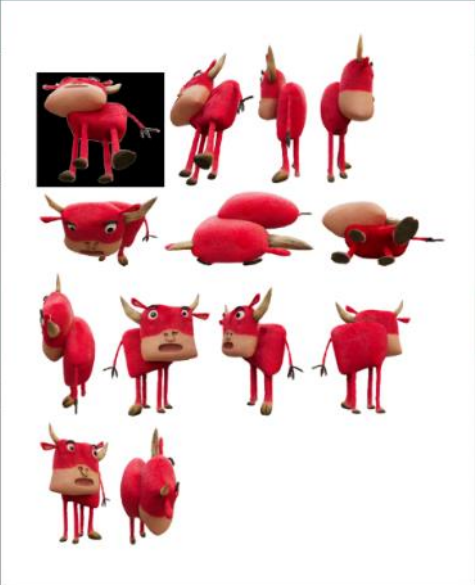
- Key inform
- List of pro
- Document
- Priority
- Applicants
- Agent
- Status hist
- Payment h
- Oppositor
- appeals
- Alteration
- Liens and
- Gazette er

Norwegian Industrial Property Office

Search our register → For IP-professionals → Norsk

Tidende > Trademark > Publications > No 13-2025 > New and renewed rig... > Event

## Event



Publication group: New and renewed

Publication date: 24.03.2025

Event date: 18.03.2025

[Case details →](#)

Filed: 27.01.2025

Registered/Granted: 18.03.2025

VM\_05003 / F11

Mark color description:

Mark category: Trademark

+ List of goods and services: 29, 30, 32

- Again only the traditional multiple 2D view

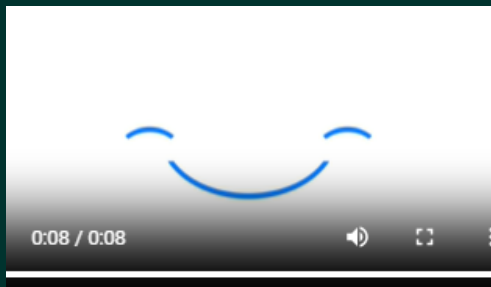
Tid

## Demo (3)

- How is Multimedia and moving marks handled?  
Here we display the video in web page (also downloadable)



See for your self



[Trademark 202310468 – NIPO: Not in Gazette](#)



Register: [Trademark 202304530 - NIPO](#)

Gazette: [Tidende](#)

Norwegian Industrial Property Office

Search our register → For IP-professionals → Norsk Search Search Menu

Tidende > Trademark > Publications > No 42/2024 > New and renewed rig... > Event

### Event

VM\_05003 / F11

Publication group: New  
Publication date: 14.10.2024  
Event date: 09.10.2024

[Case details →](#)

Filed:  
Registered/Granted:

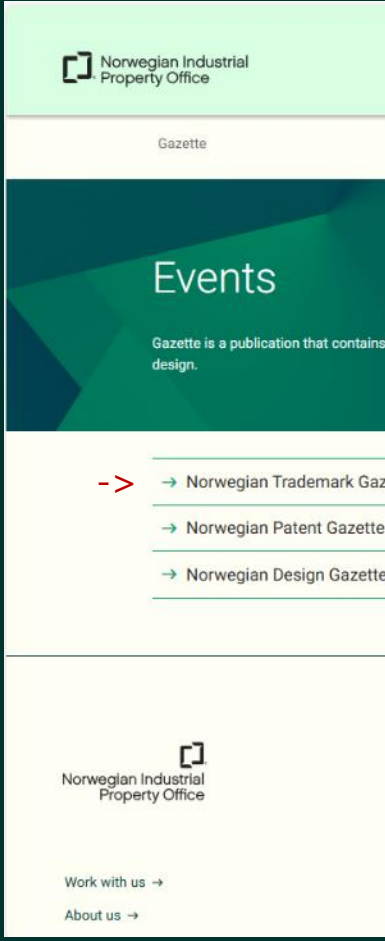
Mark description:  
Mark color description:  
Mark category: Trademark

+ List of goods and services: 9, 35, 37, 39, 41, 42, 45

- Preview is not available in gazette, but will be some.  
However Video must be played, and can then be downloaded.

# Demo (4)

- NOW on TEST: Cannot be linked!  
I open the gazette, the normal way



Norwegian Industrial Property Office

Gazette

## Events

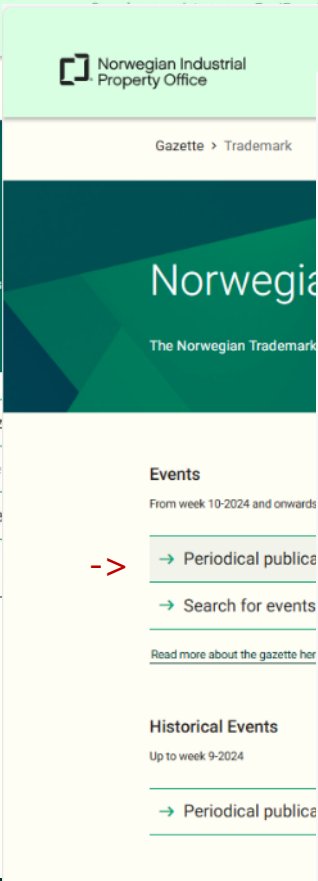
Gazette is a publication that contains design.

- > Norwegian Trademark Gazette
- > Norwegian Patent Gazette
- > Norwegian Design Gazette

Norwegian Industrial Property Office

Work with us ->

About us ->



Norwegian Industrial Property Office

Gazette > Trademark

## Norwegian Trademark Gazette

The Norwegian Trademark Gazette is a publication that contains design.

### Events

From week 10-2024 and onwards

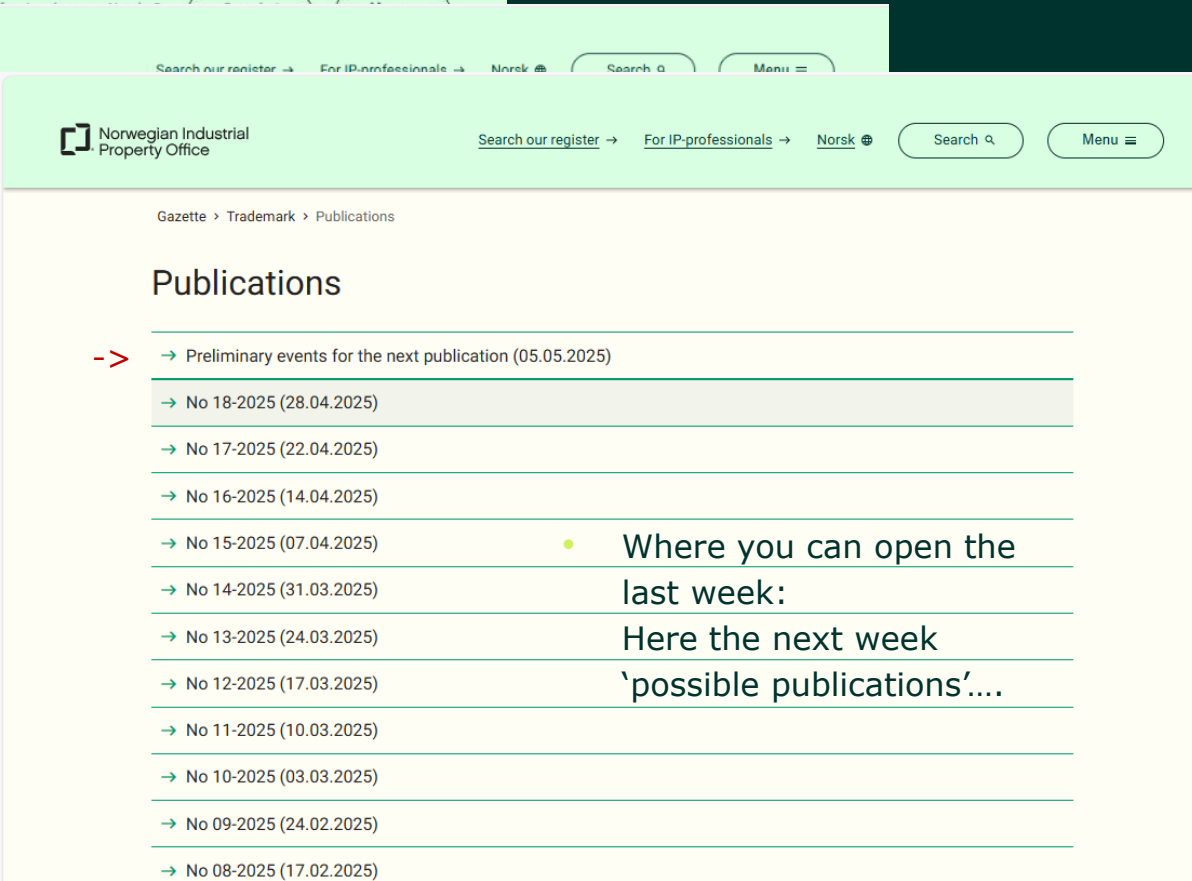
- > Periodical publications
- > Search for events

Read more about the gazette here

### Historical Events

Up to week 9-2024

- > Periodical publications



Norwegian Industrial Property Office

Search our register -> For IP-professionals -> Norsk

Gazette > Trademark > Publications

## Publications

- > Preliminary events for the next publication (05.05.2025)
- > No 18-2025 (28.04.2025)
- > No 17-2025 (22.04.2025)
- > No 16-2025 (14.04.2025)
- > No 15-2025 (07.04.2025)
- > No 14-2025 (31.03.2025)
- > No 13-2025 (24.03.2025)
- > No 12-2025 (17.03.2025)
- > No 11-2025 (10.03.2025)
- > No 10-2025 (03.03.2025)
- > No 09-2025 (24.02.2025)
- > No 08-2025 (17.02.2025)

- Where you can open the last week: Here the next week 'possible publications'...

# Demo (skip)

- This gazette is just me constructing events with 3D files. I open the interesting section (Review request....) and look for my test event which is on top, if not others are testing, too....



Norwegian Industrial Property Office

**Now:** No thumb available for pure 3D-file filings, but not relevant since all file with 2D representations in addition.

Functionality to auto create thumb/2D or multi perspective 2Ds is very depended on formats and SW.

# Demo (skip)

- We enter the event.  
The first we notice is that the 3-D file must be downloaded  
We have not made preview functionality (for lots of reasons)



Norwegian Industrial  
Property Office

Norwegian Industrial Property Office

Tidende > Trademark > Publications > Preliminary events for the next publication > Review requests and... > Event

## Event

202303795 (326624)

**REGISTERED** VM\_05021 / M12

Registered with changes after opposition or administrative reevaluation.

Publication group: Review requests and decisions

Publication date: 05.05.2025

Event date: 28.04.2025

Decision authority: Patentstyret som myndighet i søknadsbehandling

Date decision final: 28.04.2025

Decision: Årsak  
TEST text the 3D file is the valid view for this trademark TEST

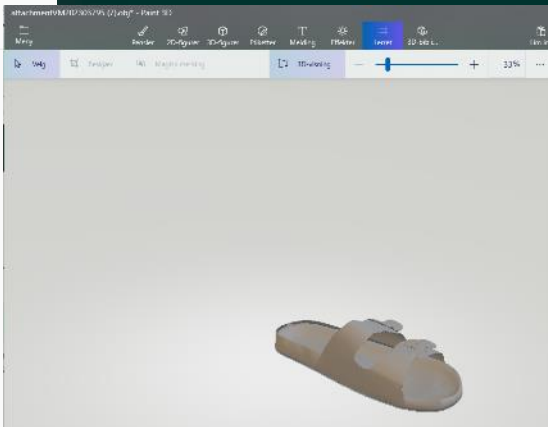
Remark: Demo of an OBJ 3D format file in Gazette

Attachment: [Download attachment](#)

[Case details →](#)

Nedlastinger

- attachmentVM202303795 (7).obj  
Åpne fil
- ImageToStl.com\_HelloWorld (1).png  
Åpne fil
- ImageToStl.com\_HelloWorld.png  
Åpne fil
- attachmentVM202303795 (3).x3d  
Åpne fil
- attachmentVM202303795 (2).x3d  
Åpne fil
- attachmentVM202303795 (1).x3d  
Åpne fil
- attachmentVM202303795 (1).u3d  
Åpne fil
- attachmentVM202303795 (6).obj  
Åpne fil
- Part1.stp  
Åpne fil
- attachmentVM202303795.x3d  
Åpne fil
- attachmentVM202303795.u3d  
Åpne fil
- attachmentVM202303795 (4).obj  
Åpne fil
- attachmentVM202303795 (3).obj  
Åpne fil
- Monteringsanvisning-Trivas-Aluminium-Sadeltak.pdf



So, it is up to the user to  
download suitable view SW  
or use services online!

**This is difficult** if you  
have tight security policies.  
And not good enough.

# Demo (skip)

- More **Ideal** solution is to view in browser **AND** be able to always return to NIPO to view a downloaded file **AND** upload in a secure online viewer



Norwegian Industrial  
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Norwegian Industrial Property Office

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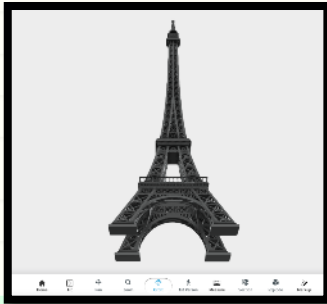
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Decision: Årsak  
TEST text the 3D file is the valid view for this trademark TEST

Remark: Demo of an OBJ 3D format file in Gazette

Attachment: Download attachment



Case details →

Filed:	17.03.2023	Holder:	BuzzBallz, LLC, CARROLLTON, US
Registered/Granted:	05.05.2023	Representative:	ONSAGERS AS, OSLO, NO
		Current status:	Registered (28.04.2025)
		Priority data:	

https://tidende-test.patentstyret.no/varemerke/publikasjoner

(NB! MOCK UP illustration)

- The file are “Frozen” and if later modified, you will see newer version in next event.
- We have no filings  
The list of possible formats are BIG – and some formats are really a challenge to present in a viewer.
- BUT  
What about indexing and use for AI-training, etc? Perhaps we should continue to ask for 2D representations?



## Principles of NIPO

- We allow file formats which are recommended within ST.91
  - Today a 3D-file may be filed and published but **we recommend** additional multi perspective view in 2D.
  - NIPO are not a 'downstream actor' in the design/CAD process, We have a documentation repository role:
    - Focus: **publication, exchange** and **archive**.
  - We intend to check and use the original filed object unchanged for every purpose!
    - No conversion, translation, compression, decompression or extract!  
Such is inefficient and we risk to take responsibilities in the process.
  - The standard ST.91 is a good start!
    - It helps us to minimize burdens! We can use it!
  - However:  
It is **not easy** to **consume** or **navigate** or **use** our 3D publications.

## Some final thoughts

Can we be more specific on which format is fit for each purpose? Can we reduce the numbers?

Restrict the versions?

- **Trademark:**

Focus on visual details.

Available texture and at least shades of gray!

More similar to ID than PT ?

- **Industrial Designs:**

Focus of visual geometrical shape/form with external/internal surfaces – not technical drawings.

More similar to TMs.

- **Patent:**

Technical drawing and CAD (Precise), with or without surfaces.

More similar to ID than TMs?

We don't have to worry about the producer!

- They now how to produce wanted outcome format
- They will use their preferred original regardless of needs for changes within IPR

### **We should focus on our consumers and the IPR consumer industry:**

How can they view, store and use the 3Ds we publish? (Use term include AI indexing purposes)

- At your service/browser?
- As a file, without own SW: "IPO online 3D viewer"
- Assistance to find usable SW.