

# Lämpliga & olämpliga PDF-format

*Varför hindrar vissa PDF-format en god förvaltning av handlingar?*

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3 juni 2025

# En god förvaltning undviker **inlåsnig** genom ... ... **öppna format** som **implementerats** i programvara

- Ett **format** som tillhandahålls på **royalty-fri basis** (enligt EU:s definition av **öppen standard** i EIF 1.0) är ett **öppet format**
- **Öppna format *kan implementeras*** av programvaruprojekt som tillhandahåller programvara under licenser för **sluten programvara** och ***alla* licenser för öppen programvara** (eng. Open Source Software, [opensource.org](https://opensource.org))
- **Slutna format** som tillhandahålls under **FRAND-villkor** orsakar **inlåsnig, interoperabilitetsproblem samt hinder för en god förvaltning av handlingar** då formaten inte kan implementeras i öppen programvara (Lundell et al., 2015, 2019, 2023a)

# En **god förvaltning** av PDF-filer – *förutsätter* ... ... *'korrekta' PDF-filer i filformatet PDF/A-1* ...

- Organisationer **använder** många **olika programvaror** och **filformat** för att upprätta och förvalta elektroniska handlingar
- Programvaror som skapar 'korrekta' PDF-filer i **PDF/A-1** och andra öppna format (enligt EIF 1.0) **möjliggör** en **god förvaltning**
- Många organisationer använder SaaS-lösningar som **saknar stöd för** att upprätta och bearbeta 'korrekta' PDF-filer i **PDF/A-1** vilket hindrar en god förvaltning
- Huruvida en PDF-fil (vars metadata anger PDF/A-1) faktiskt uppfyller formatets tekniska specifikation (enligt definitionen för formatet, ISO 19005-1:2005) är svårt att avgöra (Fischer et al., 2021)

# En **god förvaltning** av PDF-filer – **undviker** ... ... använda PDF-filer i filformatet **PDF/A-2, PDF/A-3** ...

- Många myndigheter använder SaaS-lösningar som skapar PDF-filer i **olämpliga format** (både 'inkorrekt' filer & PDF-filer i slutna format, däribland **PDF 1.5, PDF 1.7, PDF/A-2** och **PDF/A-3**) som **hindrar** en **god förvaltning** av myndigheters handlingar
- Både **PDF/A-2** och **PDF/A-3** är såväl **tekniskt** som **juridiskt djupt problematiska** (normativt refererade specifikationer är belastade med SEPs, 'Standard Essential Patents') och hindrar därmed en god förvaltning av myndighetens handlingar
- Analys av ett stort antal PDF-filer från olika myndigheter visar att **få myndigheter** skapar och förvaltar filer i PDF/A-1 (med öppna typsnitt) som möjliggör en god förvaltning av handlingar

# Om formatinlåsning ...

- 'Investigations of several formats that providers of widely used cloud based SaaS solutions have (or claim to have) implemented show that it **may be impossible to clarify conditions and acquire all patent licences for standard essential patents** (and all necessary rights) to allow for implementation in software' (Lundell et al., 2022b)
- We **'recommend that each PSO** which considers use of a specific SaaS solution for long-term maintenance of its digital assets (in all formats used) over the full life-cycle for those assets, **ensures that the solution is provided under lawful and appropriate contract terms which includes that the provider of the solution provides licences for each implemented format under perpetual terms.'** (Lundell et al., 2023b)

# En god förvaltning undviker **inlåsnig** genom ... ... **öppna format** som har **implementerats** i **OSS**

- En myndighet behöver ha **full kontroll** på myndighetens **alla uppgifter & handlingar** (data, dokument och andra typer av digitala representationer, exempelvis innehållet i databaser) vilket **förutsätter** användning av **öppna format** (enligt EU:s definition av öppen standard i EIF 1.0) som implementerats i **öppen programvara** (under licenser i GPL-familjen) för att myndigheten 'korrekt' ska kunna **behandla** (både skriva & läsa) handlingar i de format som myndigheten måste förvalta
- **Undvik format** för att förvalta en myndighets handlingar **om myndigheten saknar** tillgång till **öppen programvara som 'korrekt' kan behandla** alla uppgifter & handlingar i **formatet**

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