

Contribution of Israel to Standing Committee on the Law of Patents Thirty-Seventh Session:
Report on the Sharing Sessions on the Use of Artificial Intelligence and Other Tools for
Effective Patent Examination Procedures (SCP/37/6)

In 2023, the Israeli Patent Office (ILPO) recognized the potential of AI and began exploring how it could enhance the ILPO operations. The Office's strategic vision focuses on integrating AI across the patent examination process to improve efficiency, safeguard quality, and ensure consistency.

To implement this, a cross-functional team of AI champions was established, representing all technical examination fields. This team analyzed workflows, identified areas for automation, and evaluated various free and paid AI tools. By customizing off-the-shelf tools and refining prompt engineering, the team has developed AI agents tailored to the needs identified, such as smart agents that assist with technical patent analysis, helping examiners evaluate inventions and prior art in line with Israeli patent law and regulations. Also developed are interactive internal training materials.

For making the use of AI more accessible, The ILPO also developed a user-friendly platform to streamline the creation of precise prompts for patent examination. This platform guides examiners through the process of formulating reliable and accurate prompts, ensuring that they can use AI tools effectively without needing complex prompt engineering for each case.

However, integrating AI into The Office's workflows comes with challenges. One major concern is accuracy, particularly avoiding the risks of AI hallucinations or generating plausible but incorrect information. To mitigate these risks, strict risk management strategies were developed, including using high-quality datasets, clear work procedures, and ongoing monitoring. Additionally, we're cautious about cyber security, ensuring that sensitive data is protected by using secure, government-hosted platforms for unpublished applications.

Another area of focus is change management to ensure the successful adoption of AI tools. This includes training, hands-on support from AI champions, and user-friendly platforms that simplify AI use for examiners. Early results of ongoing pilot projects show that AI support has improved examination quality while maintaining our high professional standards.

Looking forward, The ILPO plans to fully integrate AI into examiner platforms, develop tools for applicants, and explore collaboration with other government offices to adapt existing AI-driven platforms. The ILPO is also preparing a public transparency document to share its AI methodology with the wider IP community and assess the return on investment for AI in patent examination.

In summary, the Israeli Patent Office is taking a measured, data-driven approach to AI adoption, ensuring that technology enhances the work of patent examiners while maintaining the integrity of the examination process.