

# Track & Trace systems based on marking using security inks for excisable tax and critical goods

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“The scope and scale of illicit trade and organized crime is inherently difficult to measure. The global value of illicit trade and transnational criminal activities have been estimated at between 8% and 15% of global GDP, with the value of narcotics trafficking at US\$ 750 billion to US\$ 1 trillion; the sale of counterfeit goods at US\$ 650 billion worldwide; environmental crime at US\$ 20 billion-40 billion; and human trafficking, at US\$ 20 billion. Including money laundering, this figure increases to an astonishing US\$ 3 trillion compared with a legitimate global trade figure of about US\$ 10 trillion-12 trillion.” [1]

Track and Trace systems has proven as an efficient way to tackle illicit trade and fraud by industries and governments.

Efficient Tranck and Trace systems are based on four essential pillars:

- 1) Create **PRODUCT IDENTITY** to enable traceability using secure marking technologies.
- 2) Provide devices and tools to check the **AUTHENTICITY** of the marks in the goods.
- 3) Create **PRODUCT HISTORY** by collecting events across the whole distribution chain.
- 4) Create **INTELLIGENCE** through monitoring, inspections and controls.

We will present success stories on the implementation of our Track & Trace solution called SICPATRACE® based in the mentioned four pillars.

## References

- [1] Out of the Shadows: Why Illicit Trade and Organized Crime matter to us all. Davos-Klosters, Switzerland 22-25 January 2014

## Figures



Figure 1: Comprehensive Track&Trace systems to achieve increasing levels of supply chain security.