RISK MANAGEMENT –
SGS SCANNER SERVICES LINKED WITH NON-INTRUSIVE INSPECTION

APPLICATIONS

Profiler™ may be used to analyse trade transaction data (such as manifests, invoices, Customs declarations, etc.) in order to provide a basis for selection and intervention by Customs or other government agencies in the port of clearance or at the time of post-clearance audit.

By linking the output from Profiler™ with an automated decision-making process the risk analysis provides an intelligent and transparent basis for determining whether a shipment should be subject to physical examination, cargo scanning, sampling or "green lane" clearance.

Profiler™ runs on an Oracle database using state-of-the-art technology and tools developed by a dedicated team of SGS specialists.

KEY FEATURES

Profiler™ is a fully automated tool able to analyse large volumes of transaction data at high speed. Data cannot be changed or deleted, and a full audit trail tracks all operations.

Profiler™ is readily customised. A populated set of risk databases is already resident in Profiler™ and these can be modified and supplemented with any number of filters according to the needs of the client.

INPUT

Trade transaction data in electronic format can be sent to Profiler™ from a variety of different agencies, by different means, and at different stages of a transaction.

Profiler™ can receive transaction data via a WAN connection, via SGS own network, or via the Internet.

OUTPUT

Profiler™ always issues an electronic risk message; however the format and method of delivery can be easily customised to meet the client's needs.

This risk message indicates the type of risk, the reason for the assessment and a recommended action or intervention instruction.

RISK ANALYSIS

Transaction data is matched against risk information relating to entities, goods, sources of supply and modes of transport, including:
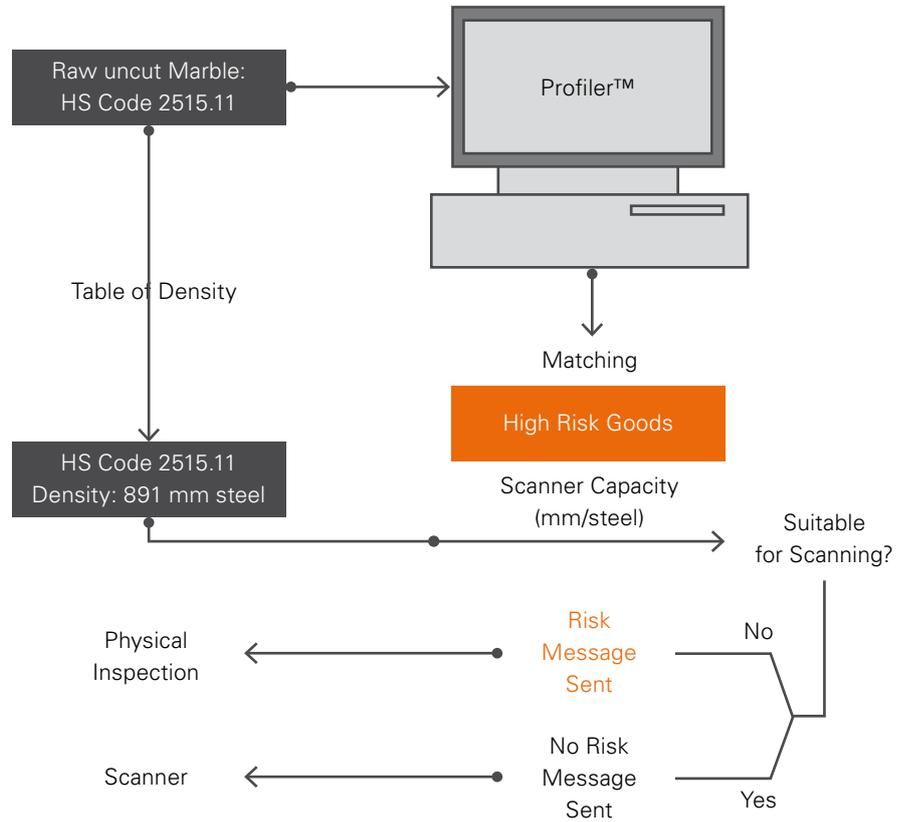
- Trade entities with both local and international records of malpractice.
- Trade entities that have been evaluated by accredited compliance programmes and are therefore considered to be a lower risk.
- Goods that are frequently wrongly described, wrongly classified, and goods that are a target for counterfeiting.
- National tariffs and other trade regulations that might influence the behaviour of trade entities.

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PROCESS OVERVIEW

The key attributes of trade transaction data are matched against a set of risk databases populated with international and local trade intelligence, industry, technical, and Customs risk information.

When a transaction is flagged as a risk, Profiler™ produces an automated risk message and intervention instruction which enable the client to take the necessary action to mitigate the identified risk.

This focused intervention assists fraud detection and allows the most intelligent management of tools such as cargo scanners whilst increasing the speed of shipment clearance.

SCANNER FILTER

Although the goods might be high risk, if their density exceeds the penetration capacity of the scanner the result would be:

- Poor images with limited value
- Wasted time (lost opportunities)
- Wasted resources (power and personnel)

SGS has therefore thoroughly researched the densities of the goods that are likely to be submitted for scanning. If Profiler™ determines that the goods are high risk it will first check the table of densities, then match the result against the installed capacity of the scanner.

Raw uncut Marble: HS Code 2515.11

Profiler™

Table of Density

Matching

HS Code 2515.11 Density: 891 mm steel

High Risk Goods

Scanner Capacity (mm/steel)

Suitable for Scanning?

Physical Inspection

Risk Message Sent

No

Scanner

No Risk Message Sent

Yes