Enhancing Food Traceability and Business Efficiency with Global Standards

以全球標準加強食品追蹤及業務效率
FOOD SAFETY AND TRACEABILITY
食品安全及追溯

The outbreaks of food incidents in recent years have raised concerns on food safety. End-to-end food traceability has become an essential element in food safety management.

As over 90% of food consumed in Hong Kong relies on imports, food supply chain operators and suppliers require a holistic approach to:

1. Increase efficiency of supply chain
   提高供應鏈效率
2. Manage risks
   管理風險
3. Respond to food safety incidents
   回應食物安全事故
4. Conduct product recalls when necessary
   執行產品回收(有需要時)

GS1 HONG KONG’S ROLE IN FOOD OPERATION EFFICIENCY AND TRACEABILITY
香港貨品編碼協會(GS1 HK)在食品營運效率和追溯方面的角色

1. Standards
   標準
2. Solutions
   方案
3. Assessment & Recognition
   評估及認證
4. Consultation
   諮詢
5. Training
   培訓
The GS1 identification key (barcode) provides access to information about a product/food. The barcode establishes as “one source of truth” for all food products and locations in the supply chain. GS1識別碼(條碼)可以讀取產品或食品的資料，因此，條碼為所有食品，以及它們所處於供應鏈的位置，確立一個「真相的來源」。

GS1 Global Traceability Standards (GTS) have been jointly developed by a community of:
GS1的全球追溯標準（GTS）是由：

- more than 73 industry experts from over 20 countries
  超過20個國家多達70名行業專家

- 800 companies from Asia, Europe and the Americas regions
  並且有來自亞洲、歐洲和美洲地區的800家公司

- Retailers/suppliers/GS1 Member Organisations/solutions providers from different industries
  不同行業的代表－零售商、食品供應商、以及GS1成員組織和不同行業的解決方案之供應商共同研發

GTS is a building block for developing:
GTS是開發以下有關可追溯性研究的基石：

- Traceability systems
  可追溯性系統

- Traceability assessments and auditing tools
  可追溯性評估和審計工具

- Industry or country specific traceability implementation guidelines
  行業或國家規定的可追溯性推行指引

An Effective Traceability Process
是一個有效的追溯流程

Intention 目的
To create a generic framework that is expected to be used by any business, any industry sector, any organization, and by any country in order to develop specific implementation guidelines or additional requirements
建立一個通用框架，任何業務，任何行業，任何組織和國家均可使用，從而研發特定的推行指引或附加規定

Developed since 2005, from 73 industry experts from 20 countries
自2005年起，由來自20個國家共73名專家研發

Provides fast data communication about the traceable item among partners
合作夥伴之間可迅速通訊追溯產品

Describes the creation of accurate records of transactions
準確報告交易記錄

Describes the traceability process independently from the choice of enabling technologies
選擇利用相關應用技術，可獨立報告所進行的追溯流程
Consumers are increasingly concerned about the product content they purchase and foods they consume. A visible food supply chain and transparent food product information are essential to guarantee consumer safety, build their trust, and protect the brand equity.

GS1 HK offers various solutions for food and food services industry:

I  Brand Protection (品牌價值維護)

Using patented anti-forgery micro printing technology to provide product authentication, traceability and integrated consumer engagement that helps gain consumer insights and trust, with just a simple scan.

II  Smart Operation & Risk Management (智慧營運及風險管理)

Data intelligence drives business efficiency and safety

GS1 Hong Kong’s Sensor Data Network and Cold Chain Management provides simplified, precise, standardised and cost-effective temperature and other environment monitoring on a real-time basis, transforming data into powerful information and insights. Benefits include:

- Benchmarking performance 效能對比
- Data management automation 數據自動化管理
- Responsive monitoring 即時反應監控
- Regulatory compliance focus 以符合法性為中心
- Risk management on regulatory violation 違規風險管理
- Liability identification 事件責任辨識

III  Smart Traceability (智慧追溯追溯)

Built on GTS and Global Information Sharing Standards (EPCIS), the solution helps businesses address the demand for traceability, and build trust among supply chain stakeholders, from upstream suppliers to end consumers, from farm-to-fork.

IV  Business Efficiency Optimization (業務效能優化)

Data Services facilitate paperless trading and the exchange of electronic orders, invoices and shipment notices among trading parties, and streamline the buying activity by managing information exchange between supplier and internal ERP system, while preserving data integrity and ensuring compliance requirement.

The major capabilities encompass partner management, order-to-cash, business management and visibility, enabling enterprises to achieve greater efficiency.
The GS1 Hong Kong Quality Food Traceability Scheme (also named as Food Scheme) provides all-round assessment based on GTS and Global Traceability Conformance on food traceability. It aims to improve the visibility of food supply chain and enhance enterprises’ ability in traceability, hence to increase consumer trust in local food industry.

GS1 HK「優質食品源頭追溯計劃」(下稱食品計劃)，是根據GTS和全球可追溯性準則為企業作出全面的評估，以確保食品可被追溯，計劃旨在改善食品供應鏈的透明度，並提升企業追溯追溯的能力，從而加強消費者對本地食品業的信心。

Our consultant and food safety experts will offer tailor-made consulting services spanning from:

- Providing analysis and diagnosis
- Providing guidance with technical information
- Assisting implementation
- Making recommendations on process and proposing technical solutions
- Facilitating learning

分析及診斷食物供應鏈流程
講解技術資訊
協助實踐方案
就有關流程作出建議，並提供技術解決方案
促進企業學習
GS1 Hong Kong offers practical workshop to provide:

- Introduction of food traceability
- Food safety-related regulations
- Food safety strategy from theory to implementation
- International standards on food traceability and safety
- Industry requirements
- Worldwide case studies

Objective: uplift corporate food safety and traceability concept in food supply chain and operation management system.

According to Aberdeen’s Food Safety and Traceability Report 2011, the best performing food companies have a 60% adoption rate of GS1 standards versus non-performing food companies. GS1 makes a difference because of the provision of global standards which support and respond to industry’s needs.

TO LEARN MORE 了解更多
https://www.gs1hk.org/our-services/food-and-food-services

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