Het belang van Blockchain standaardisatie vanuit GS1 perspectief

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A simple barcode
Where it all started (1948 – 1952)
GS1 Netherlands Profile

- **Who we are?**
  A Not for profit organization with over 15,000 members that, for the past 40 year, has brought together companies like Supermarkets, DIY Stores, Hospitals, fashion stores etc and their suppliers and LSP’s

- **What we do?**
  We develop uniform international standards for identification, capture and sharing of (product) data. We create common ‘glocal’ agreements based on the generic GS1 standards for a specific sector and facilitate the implementation processes
Used by millions of companies

112 local member organizations
150 countries served
2 mln member companies
GS1: A global system of standards
Examples

Direct part marking (DPM) by laser
- Implementation of the GS1 data identifier concept
- Combination with GS1 Datamatrix
- Optional: Additional GS1 Application Identifiers

Serialization of newly manufactured bearings: sGTIN

Serialization of used bearings as a “by pass” operation during the regular wheelset maintenance: GIAI
GS1 Smartsearch

Nestle Cheerios 600g

Product Description
Deliciously crunchy Os, with 4 delicious whole grains, a source of Vitamin D and a source of calcium. Say Yes to Cheerios!

Become a fan @ www.facebook.com/CheeriosUK
8 Vitamins & Iron, Source of Calcium & High in Fibre
Check out our Facebook page @ www.facebook.com/CheeriosUK for exclusive Cheerios content!
Deliciously crunchy Os, packed with 4 whole grains. Say Yes to Cheerios!

NEN
Sample Traceability system based on GS1 standards
Where does GS1 fit…
and where does “blockchain” fit?

- Oracle, IBM, Teradata, etc
- Amazon, Google, Bluemix, etc
- EDI networks, VANs, datapools
- Blockchain technology

Blockchain is a database; GS1 facilitates standards for data