



# Z-Index



**Introduction to the Dutch healthcare market  
and the G-Standaard Logic  
Amsterdam, 4/10/2011**

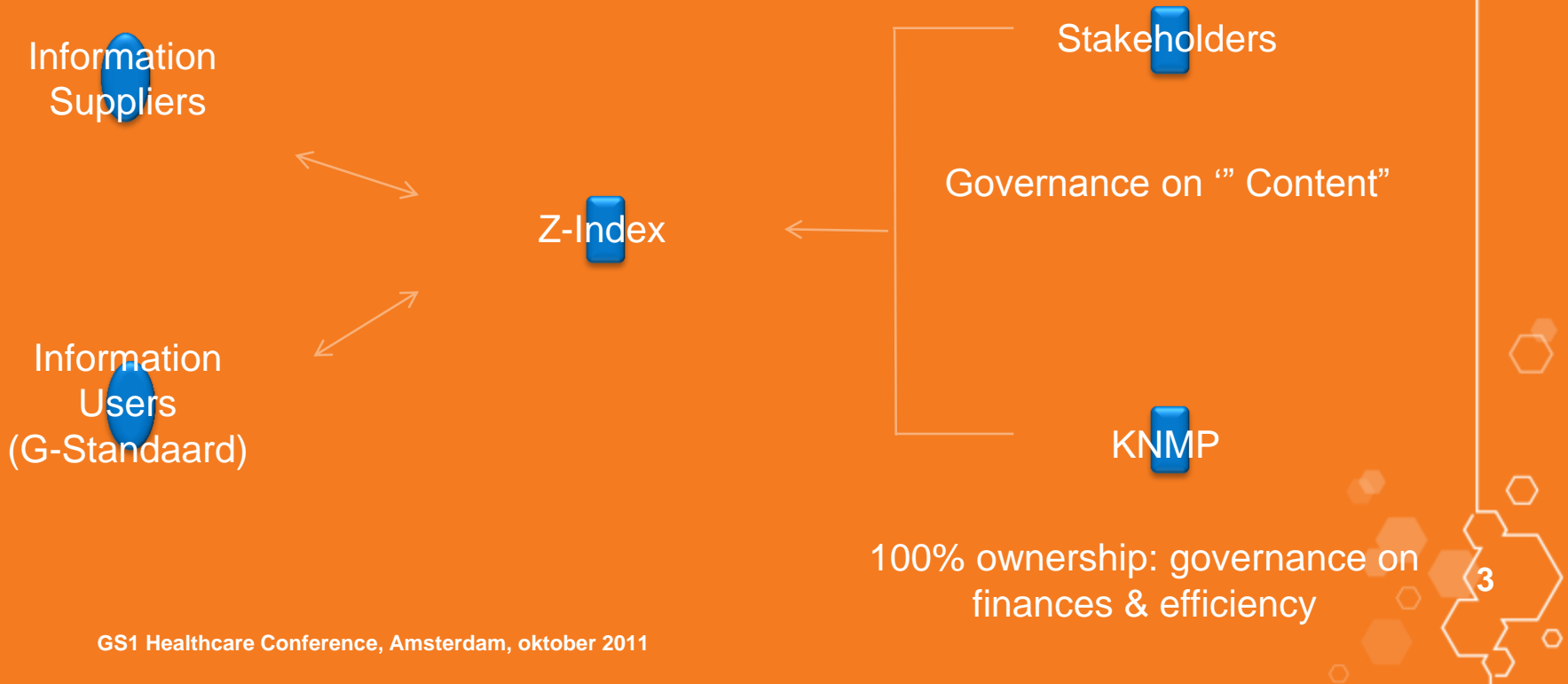
• Intermediair in zorginformatie op maat

# Topics

- The Dutch Healthcare System and Z-Index
- The G-Standaard
- Development of the G-Standaard Logic

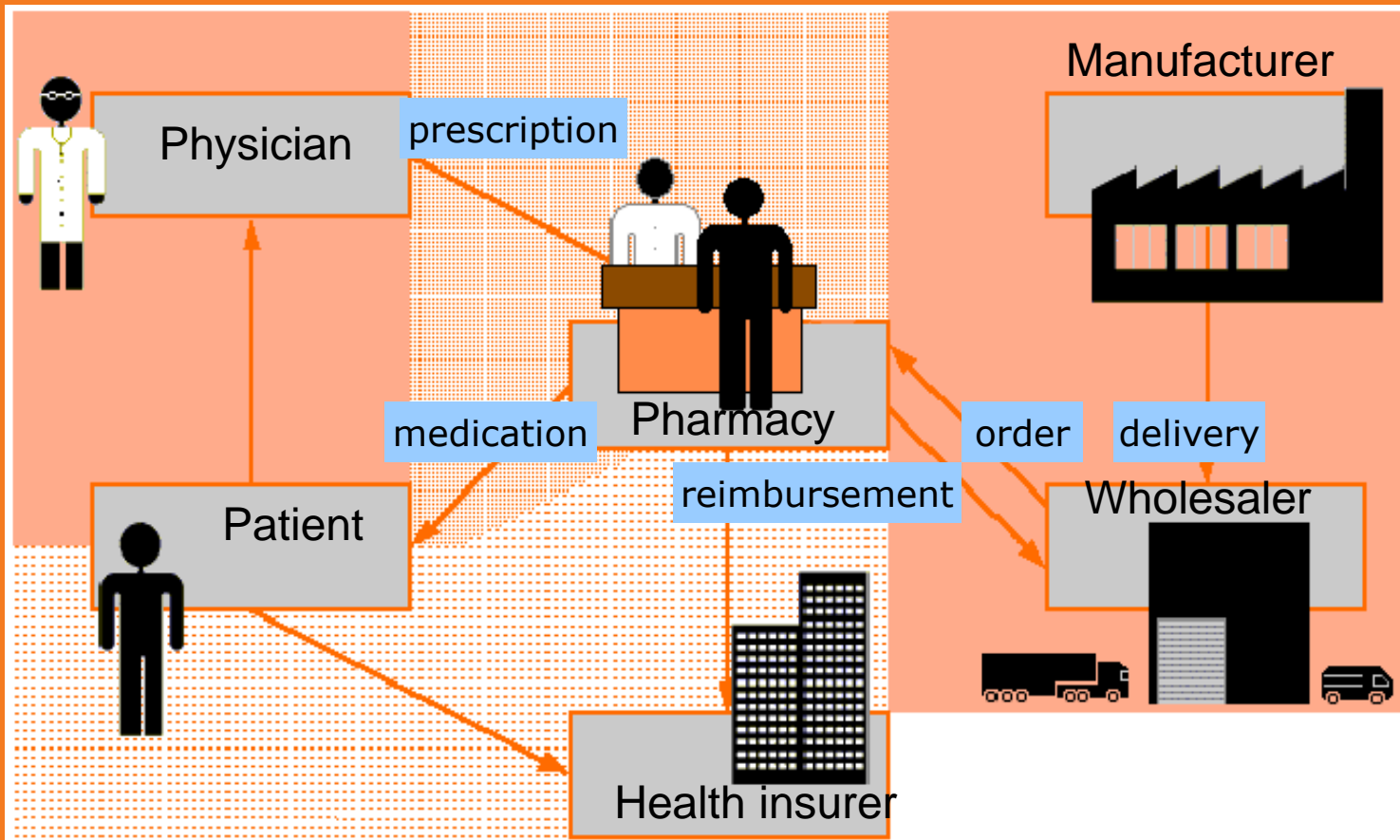
# Stakeholders Z-Index

- Public Pharmacists
- Hospital Pharmacists
- Prescribers:
  - \*doctors
  - \*specialists
- Ministry VWS/Nza
- Insurance companies
- Industry
- Softwarehouses



# G-Standaard (Z-Index number)

*An accepted standard in the whole Dutch pharmacy chain*





# The G-Standard

- ⊗ = bestand bevat 1 of meer thesauri items
  - Ⓣ = bestand heeft een relatie met teksten
  - Ⓞ = relatie is optioneel naar het teken toe
  - ↔ = relatie is 1:n relatie naar het teken toe
- GSI Healthcare Conference, Amsterdam, oktober 2011

# Content of the G-Standaard

The G-Standaard contains:

- all (licensed) medicines available in the Netherlands
- homeopathic products
- medical devices
- preparations (since 2009)
- system for structured logging of care

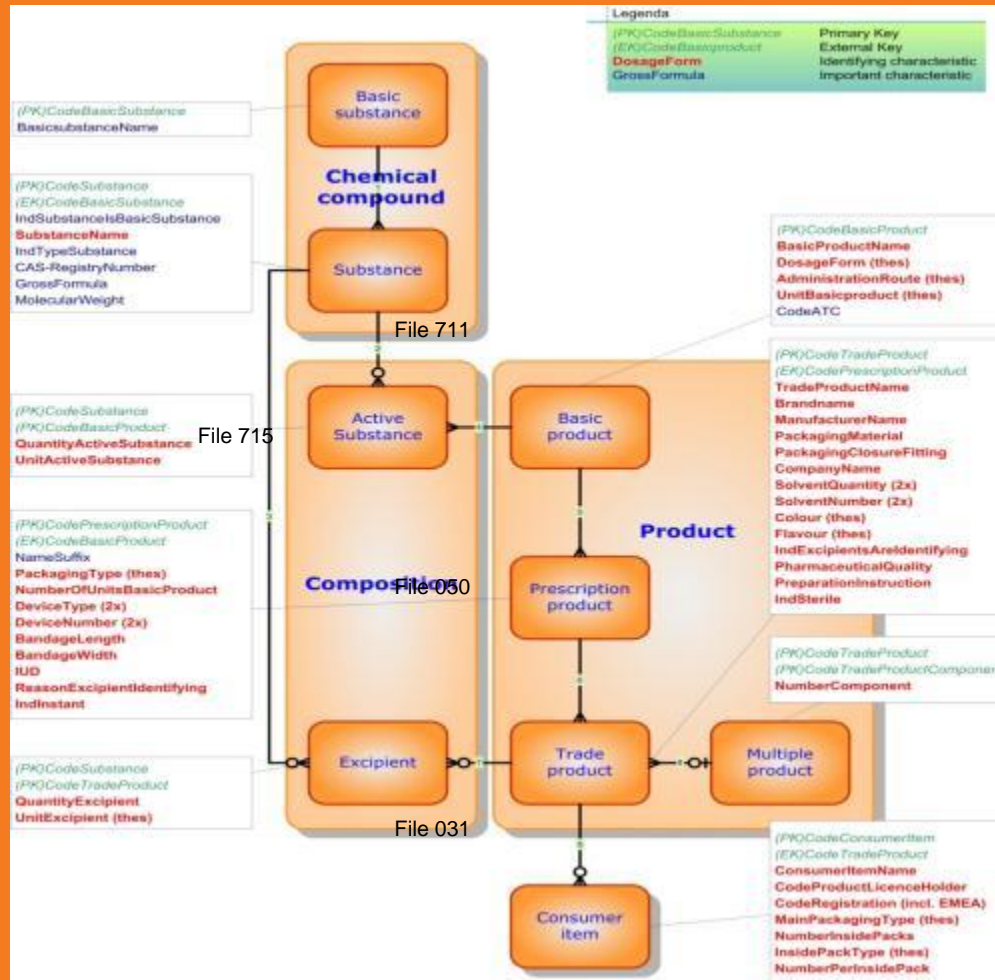
and provides information on:

- logistics (for all products)
- legal status, reimbursement (for all products)
- pharmaceutical characteristics (for medicines)
- decision support (for medicines)



# The backbone of the G-Standard (NEN 7507)

File 750



# Examples

Level	Example
SNK (basic substance)	<i>Morphine</i>
GNK (substance)	<i>Morphine HCl-3-H<sub>2</sub>O</i>
GPK (GeneriekeProductKode, basic product)	<i>Morphine injvlst 10mg/ml [contains morphine HCl-3-H<sub>2</sub>O 10 mg]</i>
PRK (PRescriptieKode, prescription product)	<i>Morphine injvlst 10mg/ml amp 1ml</i>
HPK (HandelsProductKode, trade product)	<i>Morphine HCl PCH injvlst 10mg/ml ampul 1ml</i>
ZI-number	<i>Morphine HCl PCH injvlst 10mg/ml ampul 1ml (10 st )</i>



# Developments for Z-Index in the Dutch market

1. G-Standaard Logic (in close cooperation with GS1)
2. International standards (ISO, Snomed, HL7, etc)
3. Medical and pharmaceutical decision rules
4. Collection and distribution of bilateral contract and declaration data
5. Counterfeit
6. Medication formulary for children ([www.kinderformularium.nl](http://www.kinderformularium.nl))

# Status Quo: Current Identification and Logistic data

G-Standaard contains 95.000 articles (of which about 15.000 medicines) of about 600 suppliers

- ZI-number
- Name
- Barcode (until now: HIBC-code for medicines)
- Orderdata
- Registration number
- etc.

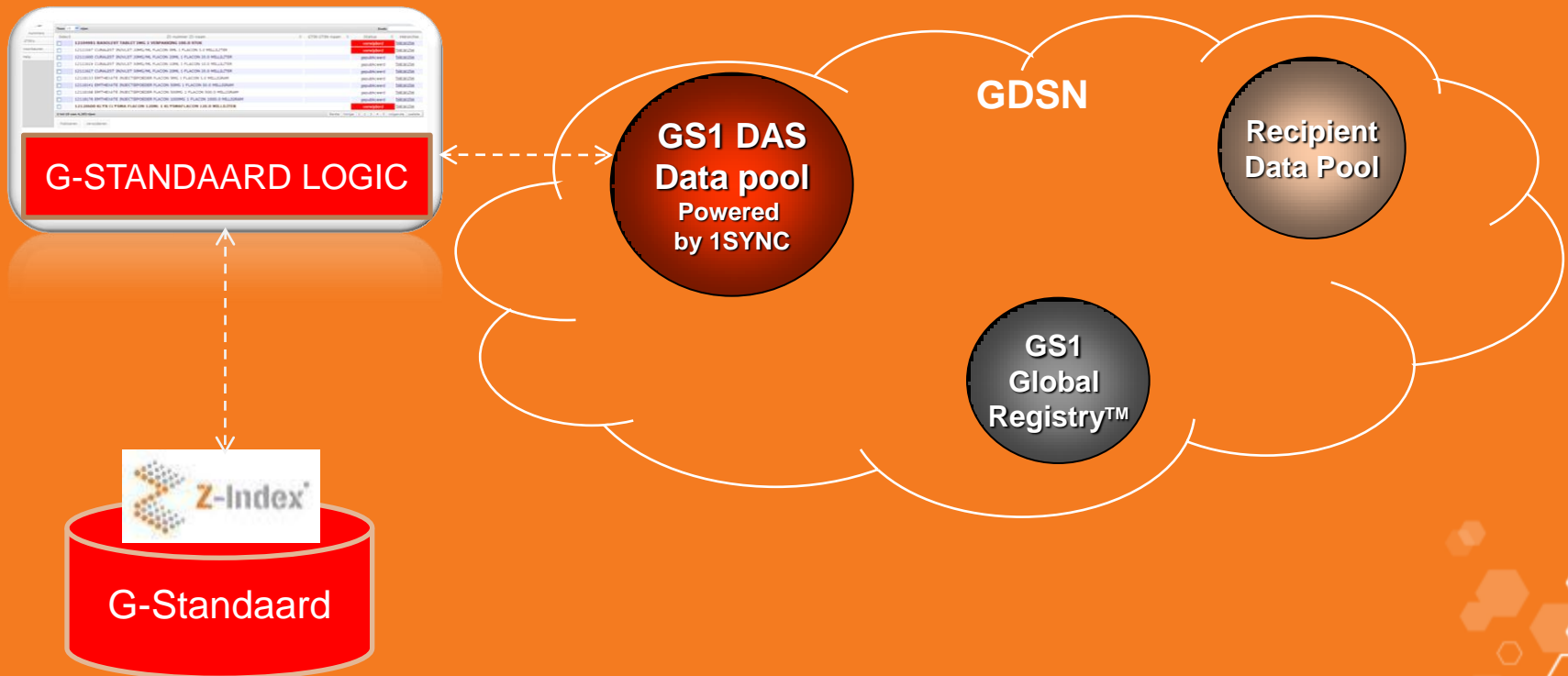
# The G-Standaard Logic: purpose

- One logistic standard for identification of products in the pharmaceutical chain
- Using the international standards of GS1 (GTIN, GLN, GDSN, eCom)
- Connecting the GS1 system to the G-Standaard to facilitate the implementation of GS1 Standards in the Netherlands
- One single point of entry (webportal) for the Dutch Healthcare market
- To collect and distribute pharmaceutical, prices – and declaration and logistic data

# Development of the G-Standaard Logic

- Stichting ZorgDAS
  - Suppliers of specialties (Nefarma)
  - Suppliers of generics (Bogin)
  - Wholesalers (BG Pharma)
  - Pharmacists (KNMP)
- Committed to the joint initiative of GS1 Netherlands and Z-Index

# G-Standaard Logic & GDSN



# One single point of entry

ZI-nummer	ZI-naam	GTIN
15226700	VSM ARNIFLOR GELEI 1 TUBE 75.0 GRAM	8728300895554 VSM ARNIFLOR GEL 75.0 Gram Basiseenheid/Stuk (each) 1
14068192	VSM KIND 0-3 CINABABY DRUPPELS 1 VERPAKKING 10.0 MILLILITER	8728300029539 VSM ARNIFLOR GEL 75.0 Gram Omdoos/krat/kist (case) 108
12515817	VSM KIND 0-6 NISYKIND TABLET 1 VERPAKKING 120.0 STUK	8728300895813 VSM KIND 0-6 NISYKIND

Hiërarchiën

ZI-nummers

GTIN's

Voorkeuren

Help

Hiërarchie   **Basisvelden**   Bestemming

- 

8728300895554 VSM ARNIFLOR GEL 75.0 Gram Basiseenheid/Stuk (each) 1 | 15226700 VSM A
- 

8728300029539 VSM ARNIFLOR GEL 75.0 Gram Omdoos/krat/kist (case) 108

ZI-nummer (automatisch) 12103632

Artikelomschrijving \* ARNIFLOR ARNICA T

Productgroep \* SPECIALITEES

Kliniekverpakking

Beperkt houdbaar

Bewaarconditie apotheek \* NIET VAN TOEPASSI

Vervallen met ingang van 09-11-1998

Aantal deelverpakkingen \* 1 FLES

Hoeveelheid per deelverpakking \* 25 MILL

Inkoophoeveelheid \* 25 MILL

Inkoopprijs excl btw euro 2,09

Verkoopprijs incl btw euro 3,29

BTW code \* Laag

HIBC fabrikant

GTIN \* 8728300896018

GTIN naam \* VSM KIND 0-6 TUSSIKIND SIRD

Product type \* Basiseenheid/Stuk (each) (EA

Aantal onderliggende eenheden 1

Netto inhoud \* 50 Milliliter

Emballage artikel

Indicatie consumenteneenheid

Indicatie besteleenheid

Indicatie factuureenheid

Indicatie levereenheid

Ingangsdatum \* 20-03-2007

Startdatum beschikbaarheid \* 01-05-2007

Einddatum beschikbaarheid

Datum beëindiging product

Diepte \* 38 Millimeter

Hoogte \* 109 Millimeter

Breedte \* 38 Millimeter

Brutogewicht 127 Gram



Basisvelden   **Zorg**   Logistiek   Bestemming

## Geselecteerd

Toon 10 ▼ rijen



Koninklijke Ahold N.V. / Ahold Nederland

Metro Cash & Carry Nederland B.V.

Poiesz Supermarkten B.V.

Truus.nl

Van Tol B.V. Groothandel in levensmidde

1 tot 5 van 5 rijen

Verwijderen

## Beschikbaar

Toon 10 ▼ rijen



A.S. Watson

C.I.V. Superunie B.A.

Hiërarchie   **Basisvelden**   Bestemming

Target market

NEDERLAND (NL)

Taal

Nederlands (nl)

Merknaam \*

VSM

Functionele productnaam \*

Gelei

GPC code \*

Homoeopathic/Homeopathic Remec

Gewichtsvariabel artikel

+ [extra](#)

Opslaan

Annuleren

# Commitment: pilot parties



# Commitment: suppliers



# In contact with suppliers



LEO Pharma



**Boehringer  
Ingelheim**



**FRESENIUS  
KABI**  
caring for life

# What makes the G-Standaard Logic a succes?

- Initiative by and support from stakeholders in the Dutch Market
- Cooperation with benefits for both GS1 and Z-Index
- Implementation strategy based on joint actions throughout the healthcare chain
- And, the momentum is right!

# Contact information

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