

Efficient Waste Management

with Process and Communication Standards

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CCG

Centrale für Coorganisation GmbH



CCG

Markenverband

50 %

**Consumer
Goods
Industry**

- Member of EAN International
- Non-profit Organisation
- Secretariat of "Normenausschuß Daten- und Warenverkehr in der Konsumgüterwirtschaft (NDWK) im DIN"
- Development of recommendations for the exchange of data and goods and supporting its implementation

EHI

50 %

Retailers



MEMBER OF
EAN
INTERNATIONAL

Members Supervisory Board of CCG

- Günter Lerch** (Chairman)
Kaufring AG
- Reinhold Mesch** (Co-Chairman)
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- Axel André**
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- Dr. Peter E. Bauer**
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- Hartmut Fröhlich**
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- Claus Garbisch**
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- Dr. Ulf Kalmbach**
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- Heinz Schmidt**
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- Ernst Schulte**
Union Bestfoods Deutschland GmbH
- Josef Schulte**
EDEKA Minden-Hannover GmbH
- Dr. Klaus Schumann**
Procter & Gamble GmbH
- Götz W. Werner**
dm-drogerie markt GmbH & Co. KG

Tasks of CCG

Organisation, Communication and Logistics

Development

- studies
- rules of operation
- recommendations for rationalization
- international cooperations

Realisation in

- working groups/ teams
- user-groups
- projects

Services

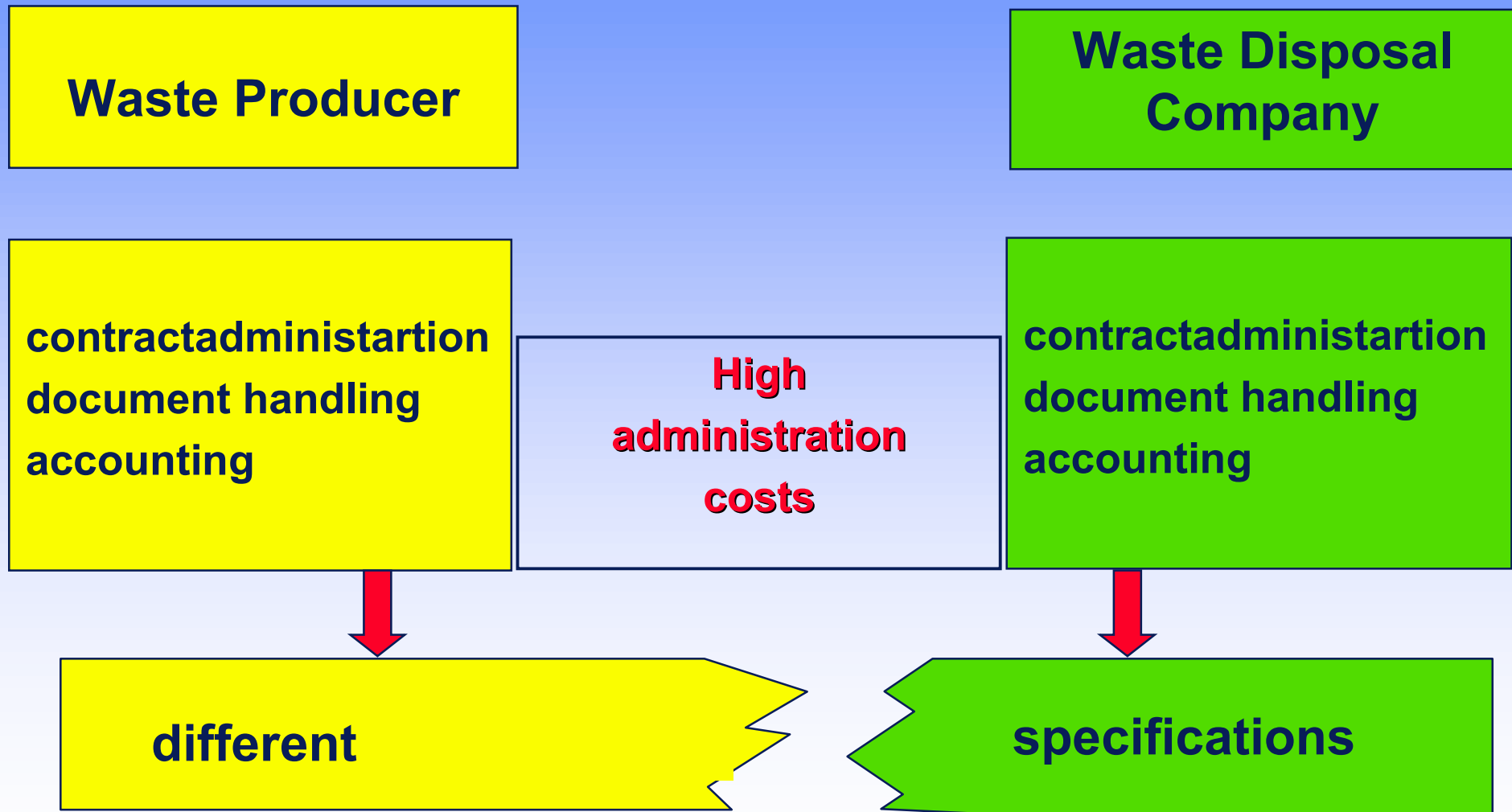
- central allocation of the ILN
- training
- agreements with service companies
- coordination

Coorganisation for the Supply Chains of Trade and Industry

Projectteam „Efficient Waste Management“

Mrs Bott	Lidl & Schwarz Stiftung & Co. KG, Neckarsulm
Mr Bötnagel	EBK Edeka GmbH
Mr Glaz	Markenverband e.V., Wiesbaden
Mr Garn	Alba Recycling GmbH, Berlin
Mr Grell	SKP Sanne, Kruse & Pape GmbH & Co., Hamburg
Mr Dr. Kabbe	REWE Zentral AG, Köln
Mr Kunzelmann	SSM Stoffstrommanagement GmbH
Mr Laufenberg	METRO AG/Kaufhof AG, Köln
Mr Lettermann	Jakob Becker Entsorgungs-GmbH, Worms
Mr Möllers	Altwater Service GmbH, Herford
Mr Munz	Interseroh AG, Köln
Mr Oels	GLOBUS-Betriebe GmbH & Co. KG, St. Wendel
Mr Röpke	ZENTEK GmbH & Co.KG, Köln
Mr Weipprecht	WCS GmbH & Co. KG, Leinfelden
Mr Ziemann	Trienekens AG, Viersen

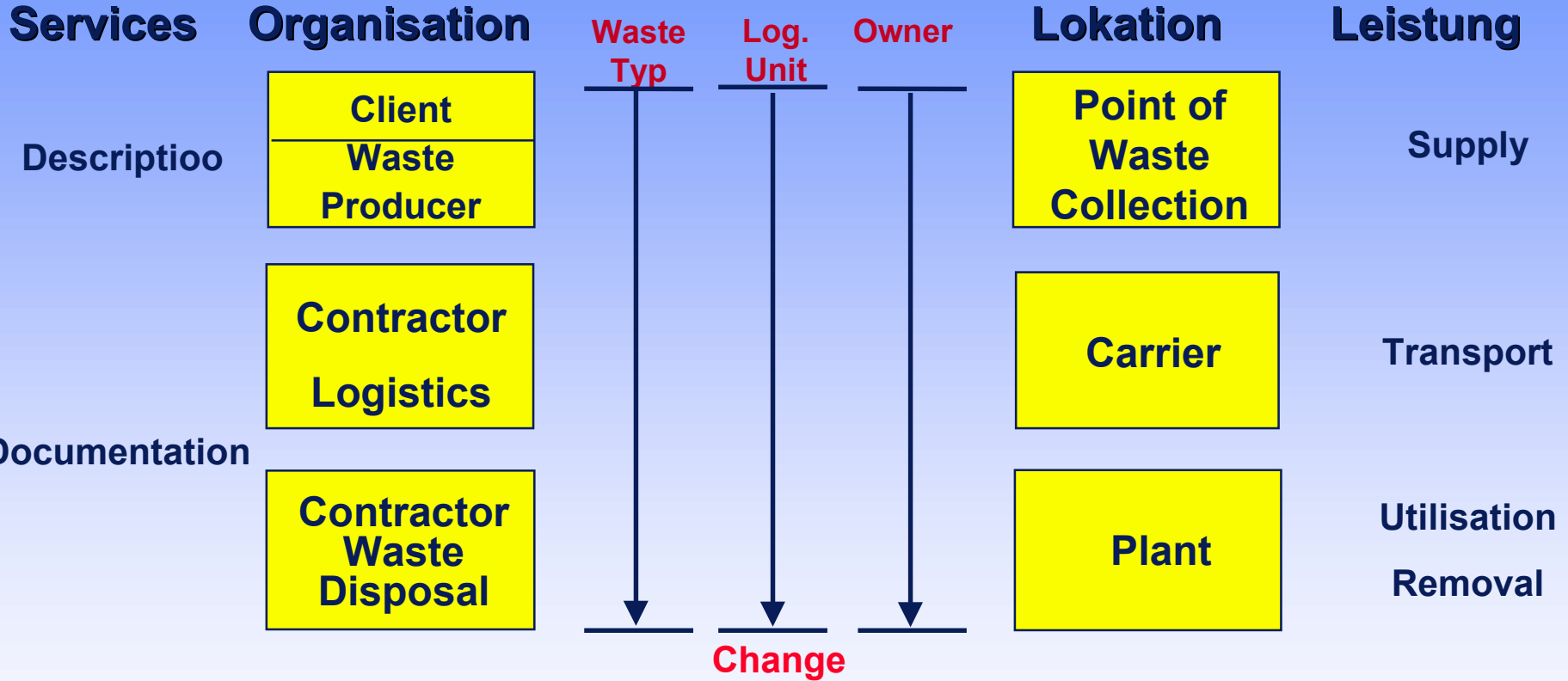
Current Situation



	<i>Current Situation</i>	<i>Future Situation</i>
<i>Master Data</i>	multiple	single
<i>Data Registration</i>	multiple	single
<i>Identification Systems</i>	incompatible	standardised
<i>Receipt Contend</i>	variing	standardised
<i>Communication costs</i>	high	low
<i>Error Rate</i>	high	low

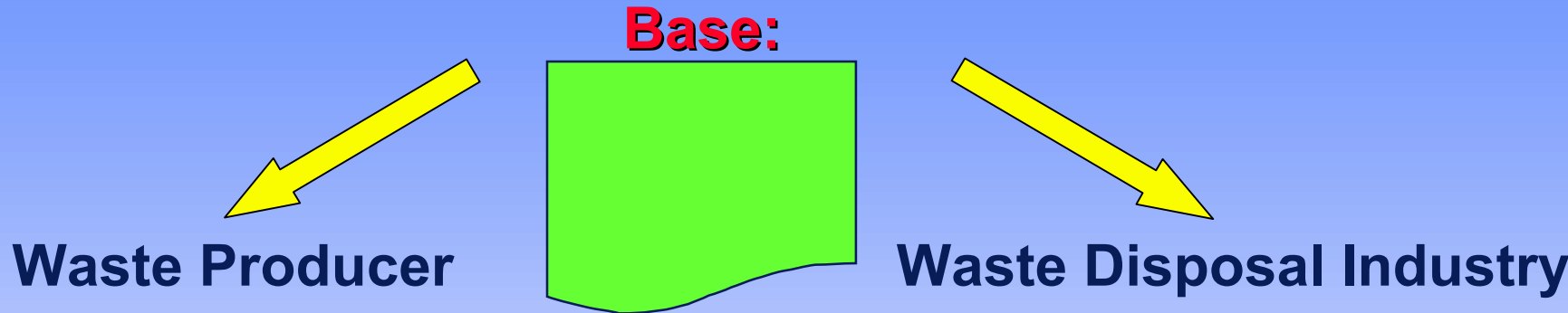
Waste Disposal Network

Public Authorities



Validation / Invoice

Integrated Datatransfer



Standardised Documents

= standardised content and layout

Invoice

- Check
- Payment
- Statistics



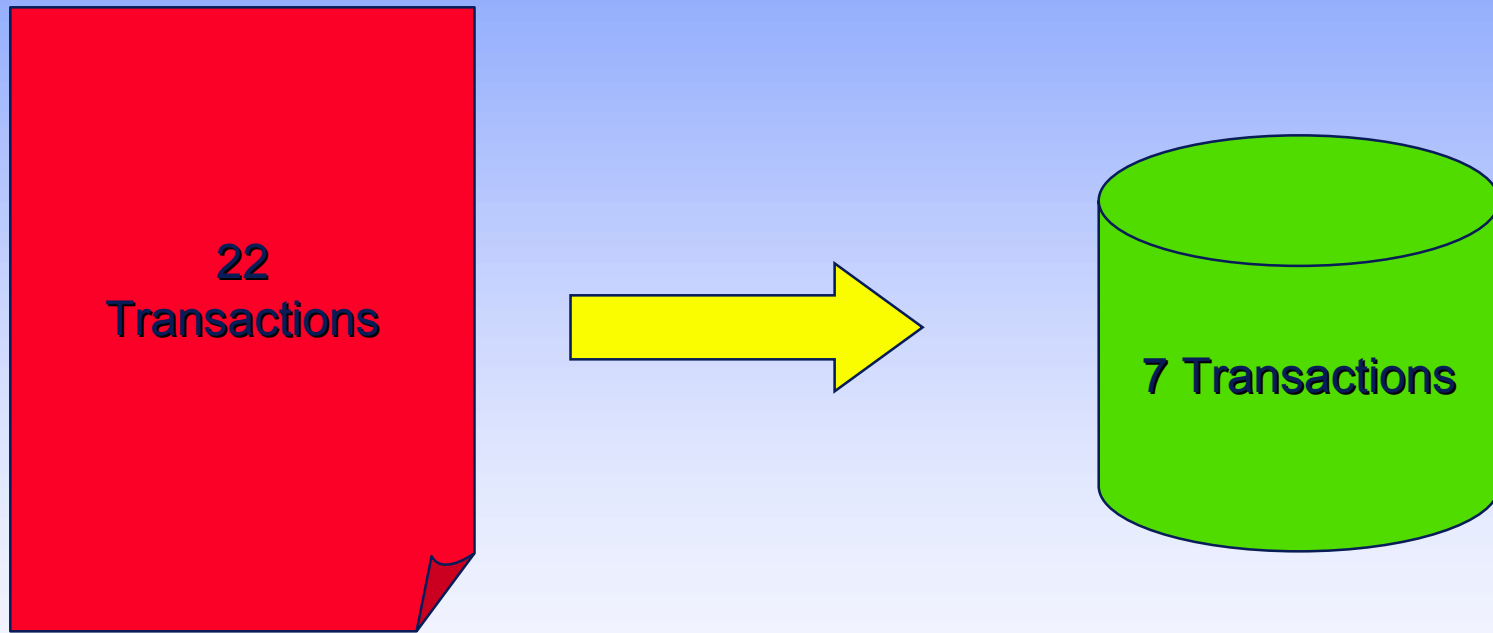
Invoice

Paperless Transfer via EDI

Overlapping of necessary Data for Communication

84% of all data of one business transaction are necessary for working out the transaction in your data process system as well as in the one of your partner

Savings



Assumptions for paperless business data interchange in the logistical waste chain

- standardised data formats
 - EDIFACT /EANCOM®

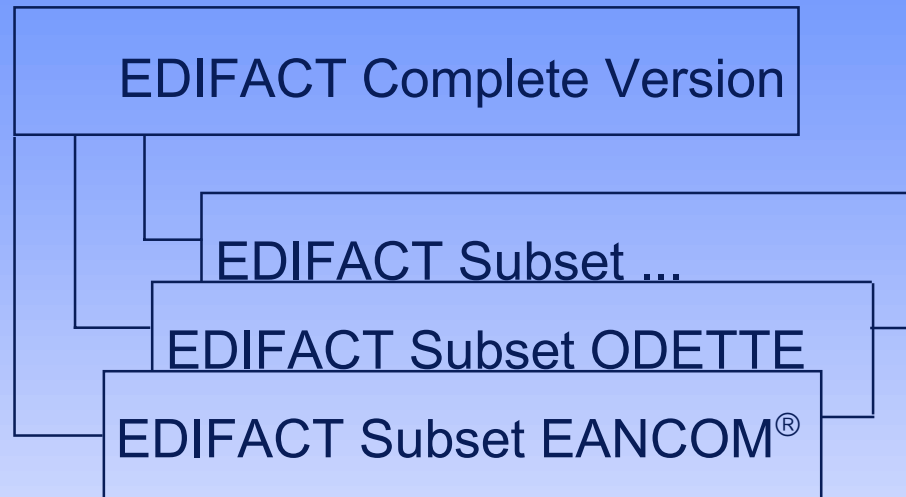
- common idents
 - GLN und GTIN

- maintenance of master data by computer specialists

- unambiguous receipt numbers for a long time period

- unambiguous order numbers between receiver and supplier and reverse

EDIFACT - EDIFACT-Subset



Qualities:

- EDIFACT-Subsets are an exactly defined part of the whole EDIFACT-messages, -data elements, -codes, -qualifiers
- EDIFACT-Subsets are a specified, non interfering application, relating to the EDIFACT-rules
- EDIFACT-Subsets have to be reported to national and international committees

Main Benefits of EDIFACT-Subsets

- Minimization of bilateral arrangements between data exchanging partners
- Only a small part of the whole EDIFACT-messages, -data elements and -qualifiers is necessary for operations

Efficiency of EANCOM®

- Exchange of master data
- Business transactions (as orders, delivery receipts, invoices)
- Exchange of relevant logistic data
- Other messages



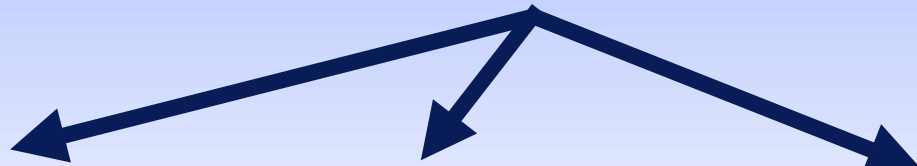
Central Allocation

GLN (Type 1)

40 2345678901 1

GLN (Type 2)

40 12345 00000 9



GLN

Basic number	self generation
40 12345	00001 6
	:
	99999 0

GTIN

Basic number	Self generation
40 12345	00000 9
	:
	99999 0

Serial Shipping Container Code

Basic number	Self generation
3 40 12345	000000000 6
	:
	999999999 9

Generation of GTIN for Waste Disposal Services

- ❑ Generation by Waste Disposal Company (WDC)
- ❑ Basis EAN.UCC System

Basis GLN WDC

GTIN 40 54321 00025 2

GTIN 40 98765 11100 6

GTIN 40 66666 11111 1



GTIN 40 54321 00025 2

GTIN 40 98765 11100 6

GTIN 40 66666 11111 1

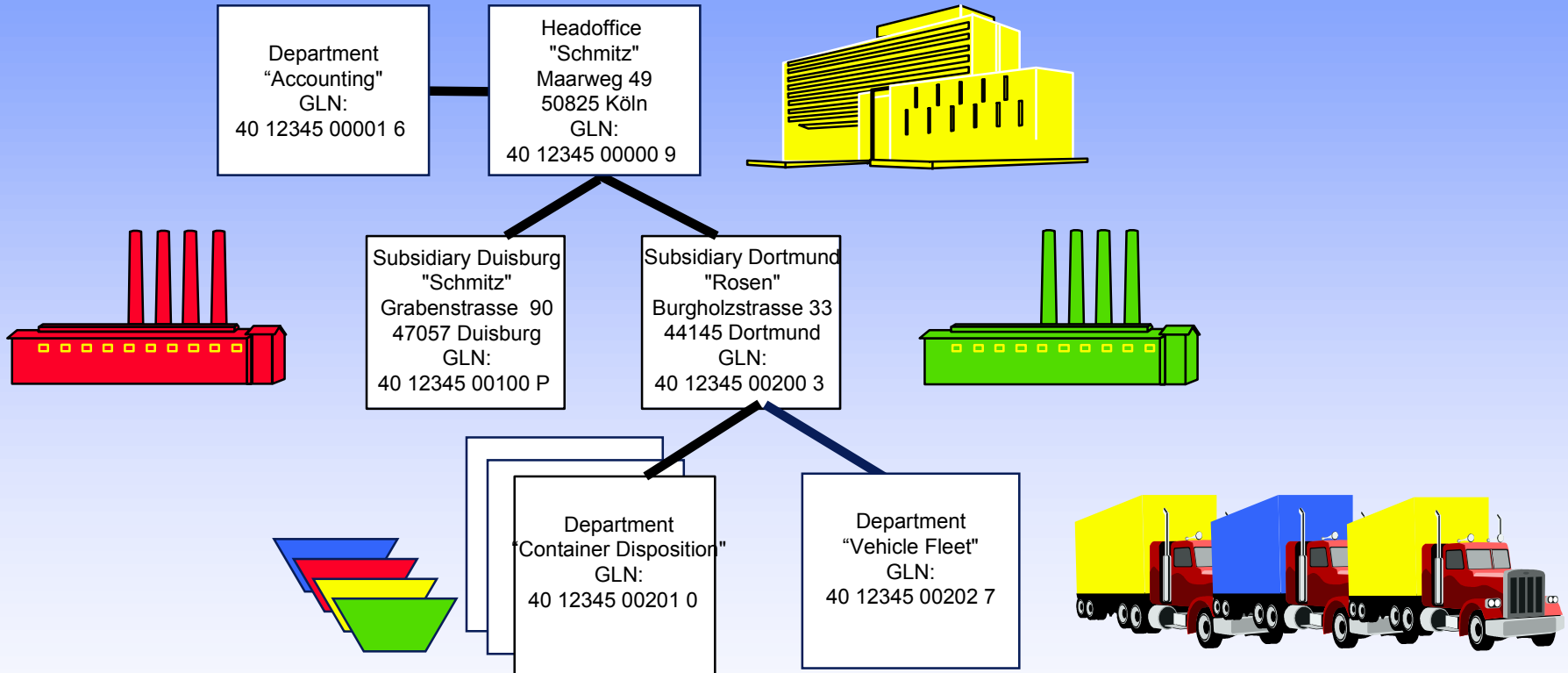
Mapping

Internal System
of Waste Producer

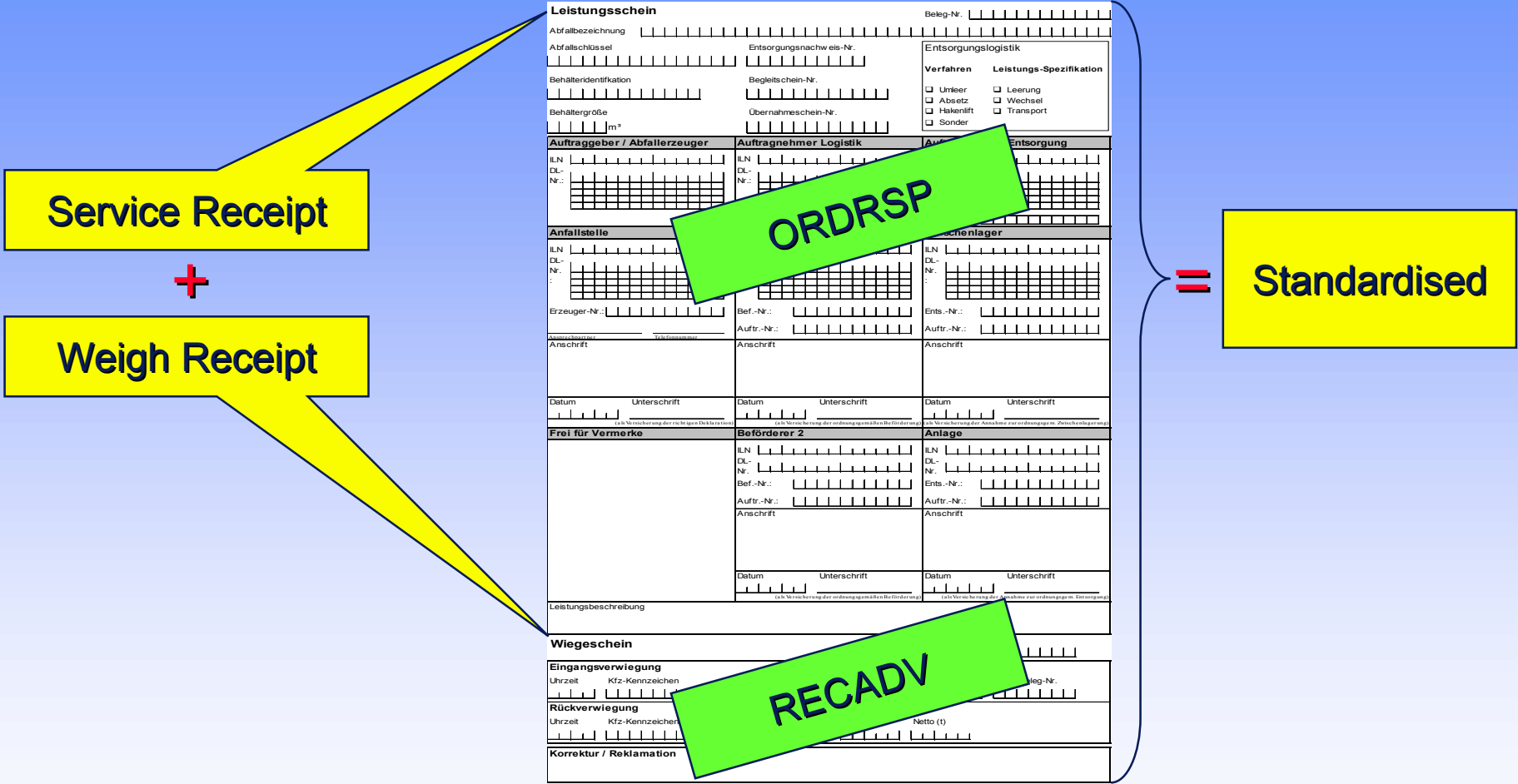
Identification Structure

Service	Waste Type	System
GTIN 40 54321 00025 2	GTIN 4054321 00106 8	GTIN 40 54321 00008 5
Containertransport	PPK B19 (paper, carton)	SPB 20 cbm special container
Detailed Information: Master Data		

GLN in Company Structures



Standardised Receipt

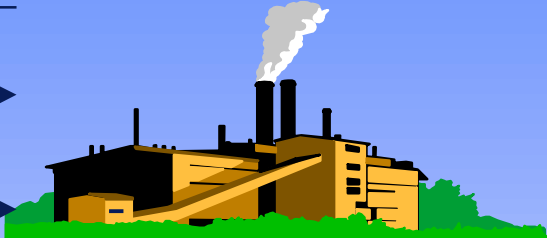
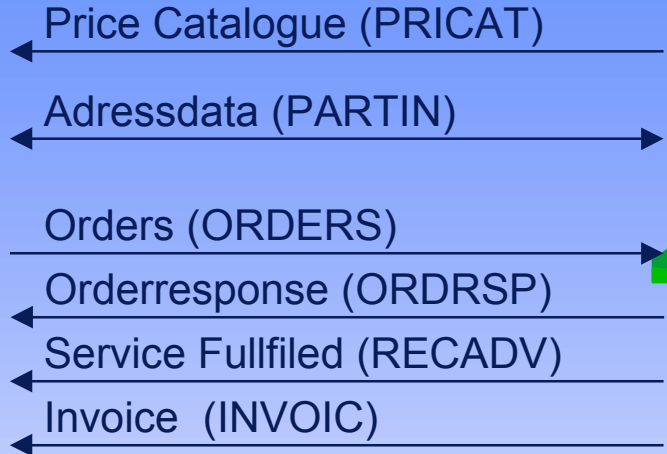


Middle Term: Electronic Data Interchange

Communication Scenario



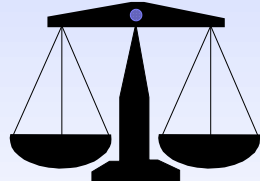
**Client/
waste Producer**



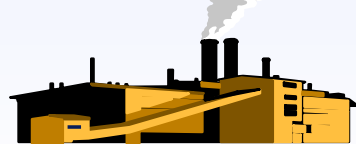
**Waste Disposal
Company**



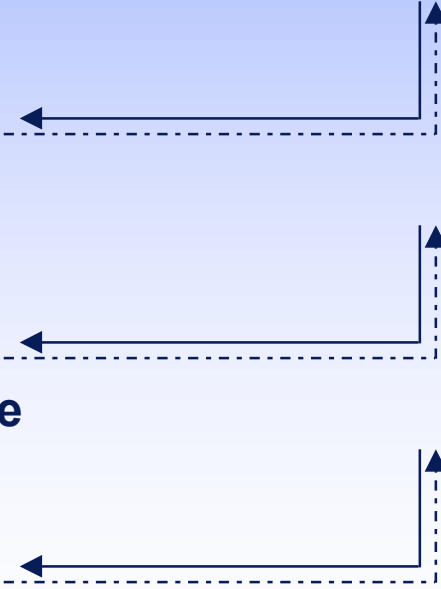
Transport



Weighing Machine

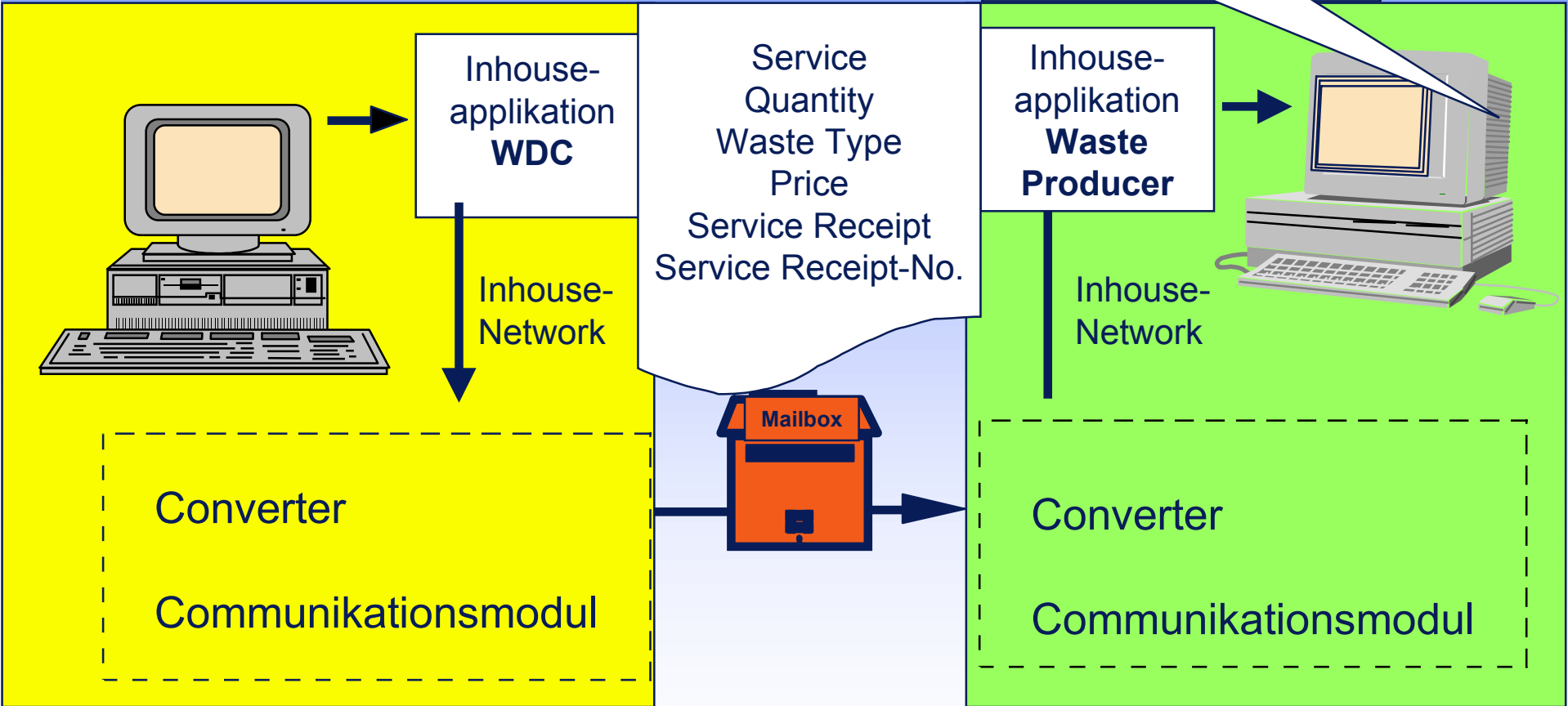


Plant



Datapool Requisitions

- Accounts Department
- Archive Data Backup
- Statistics



Integration of new Technologies

