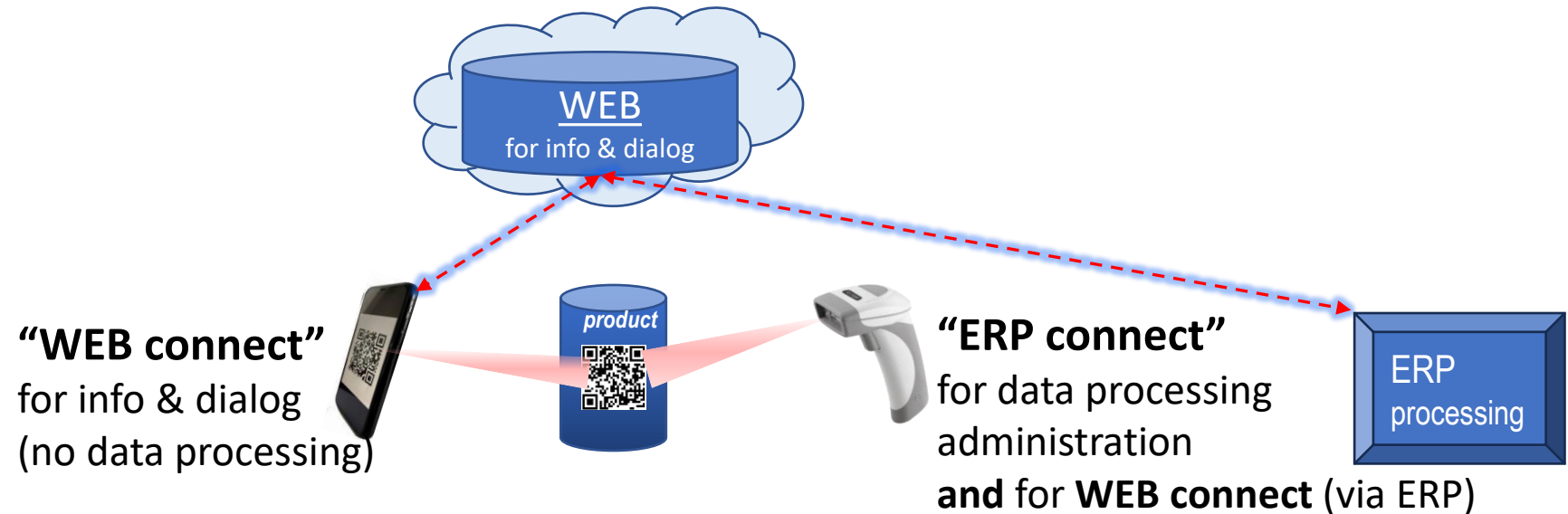# Digital Product Passport code "Scan Spots"

Considerations where the DPP-code will be scanned and purposes
for finding the most convenient/suitable DPP CODE constructs and scanners for the applications.

**\*Addendum to consideration of DPP code methods EDCi 2023-03-10/28**

**"WEB connect"** for info & dialog versus **"ERP connect"** for data processing **and WEB connect**



**WEB**
for info & dialog

product

**"WEB connect"**
for info & dialog
(no data processing)

**"ERP connect"**
for data processing
administration
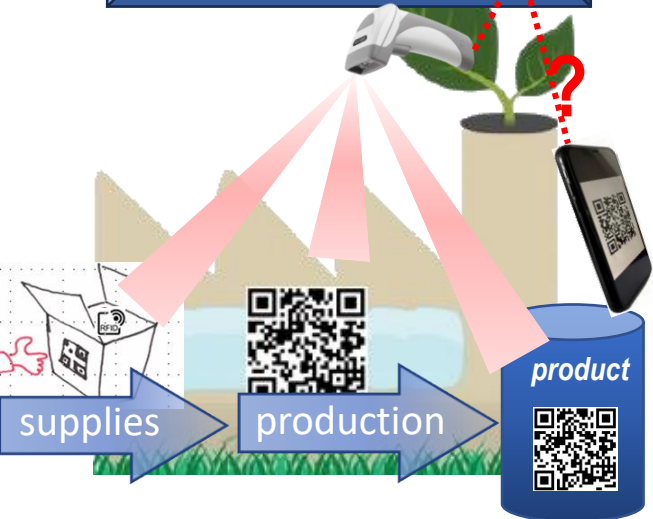**and** for **WEB connect** (via ERP)

ERP
processing

*Digital-Passport-ID-methods_part-II_.230328.pdf*

# Interfaces and features for DPP code "Scan Spots"

## Scan Spots Manufacturer:
Data processing, option "WEB look up"

**ERP processes:**
production control,
warehousing, picking,
shipping, invoicing,
documentation, …

**WEB**
for info & dialog

## Regulators:

Research
analysis
documentation
…

*Scan interfaces ?*

## Scan Spots Distributor/OEM:
Data processing & "WEB look up"

### Scan Spot Public:
WEB look up,
no data processing

**ERP processes:**
Goods receipt, payment,
warehousing, shipping,
invoicing, documentation
…

**URL: ok**
**UID first:** ? *(by APP)*

**Scan data:**
Supplier
Prod.Ref.
SN/LOT
Date, …
DPP link

*product*

### Scan Spot Refurbisher/Recycler:
Data processing & WEB look up

*product*

**Scan data:**
Supplier, Prod.Ref.
SN/LOT, Date, …
DPP link

**ERP processes:**
Goods receipt
process control
documentation
…

supplies → production → *product*

***Common practice and legacy systems:***
*ERP interfaces for identifiers: „UID first" YES*
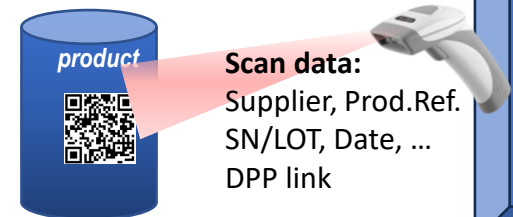*„URL first" ? (t̶o be implemented?)*

***Common practice and legacy systems: :***
*ERP interfaces for identifiers: „UID first" YES*
*„URL first" ? (t̶o be implemented?)*

***Common practice:***
*ERP interfaces: „UID first"*
*WEB interface: Through ERP or phone*

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2

# "Scan Spots" and features



**Scan Spots:**
**ERP Manufacturer**

| Data processing: | Yes |
|---|---|
| Scan interface ERP: | Yes |
| Interface WEB: | Yes |
| Device "Scanner": | Yes |
| Device "Smartphone": | Option+App |

**Scan Spots:**
**ERP Distributor/OEM**

| Data processing: | Yes |
|---|---|
| Scan interface ERP: | Yes |
| Interface WEB: | Yes |
| Device "Scanner": | Yes |
| Device "Smartphone": | Option+App |

**Scan Spots:**
**Public/User/Service**

Device "Smartphone": Yes

**Scan Spot: Recycling**

| Data processing: | Yes |
|---|---|
| Scan interface ERP: | Yes |
| Interface WEB: | Yes |
| Device "Scanner": | Yes |
| Device "Smartphone": | Option+App |

**Scan Spots: Regulators**

| Data processing: | Yes |
|---|---|
| DPP Analysis: | Yes |
| Interface WEB: | Yes |
| Device "Smartphone": | ? |
| Device "Scanner": | ? |

**Conclusion:**
- Device "Scanner" with ERP connection: 4 Scan Spots of the supply chain
- Device "Smartphone": 1 Scan Spot (public), 3 Options+App (supply chain)

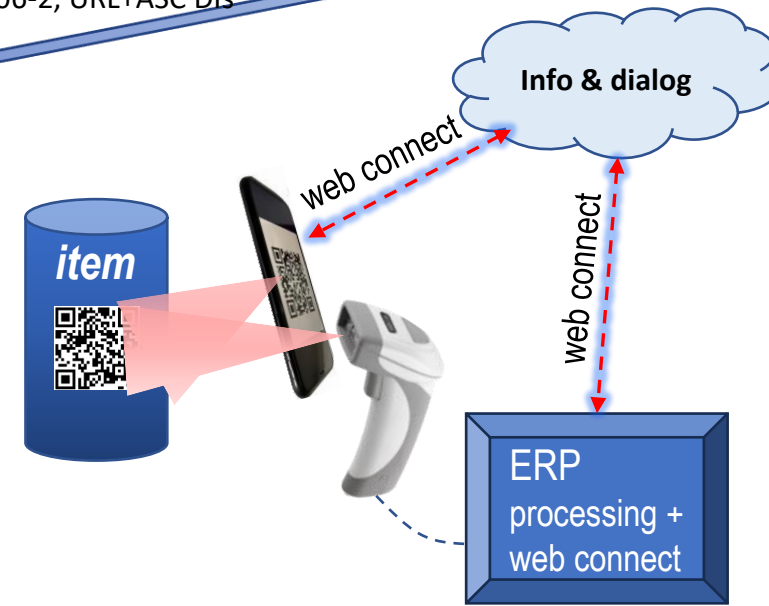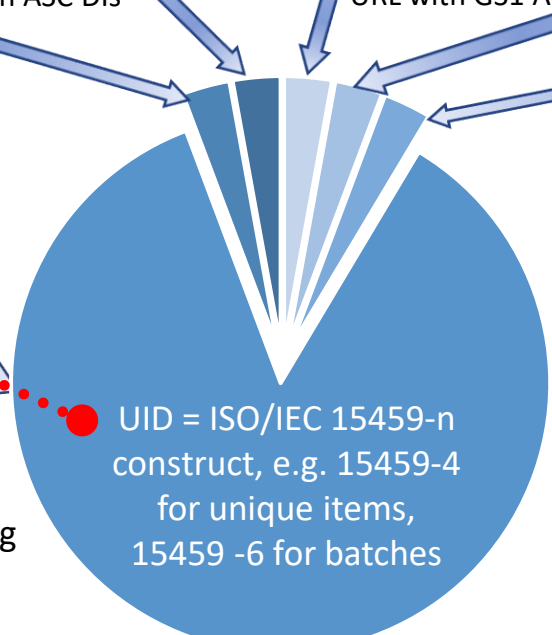# Different code constructs feature "UID first" or "URL first"

## Unique identification methods with AIDC media (BC & RFID)

| 1 *UID first, standard | 2 UID first + WEB | 3 URL first AutoID URL | 4 URL first GS1 Dig. link | 5 URL first IEC ID link | 6 Other ID schemes |
|---|---|---|---|---|---|
| ID with ASC DIs & GS1 AIs | ID with ASC DI „34L" | URL with ASC DIs | URL with GS1 AIs | IEC 61406-2, URL+ASC DIs | |



*Today's standard AIDC applications,
 according to

ISO/IEC 15459 Unique identification
IEC 62090 Product package labels for electronic components
ISO 28219 Labelling and direct product marking
ISO 17360 Supply chain applications of RFID – Product tagging
+ Industries guidelines

UID = ISO/IEC 15459-n construct, e.g. 15459-4 for unique items, 15459 -6 for batches

Info & dialog
web connect
item
ERP processing + web connect

**For finding the most suitable/convenient DPP constructs code for the individual "Scan Spot" don't hesitate to scan code examples 1 to 5 at the appropriate "Scan Spot" of your application:**

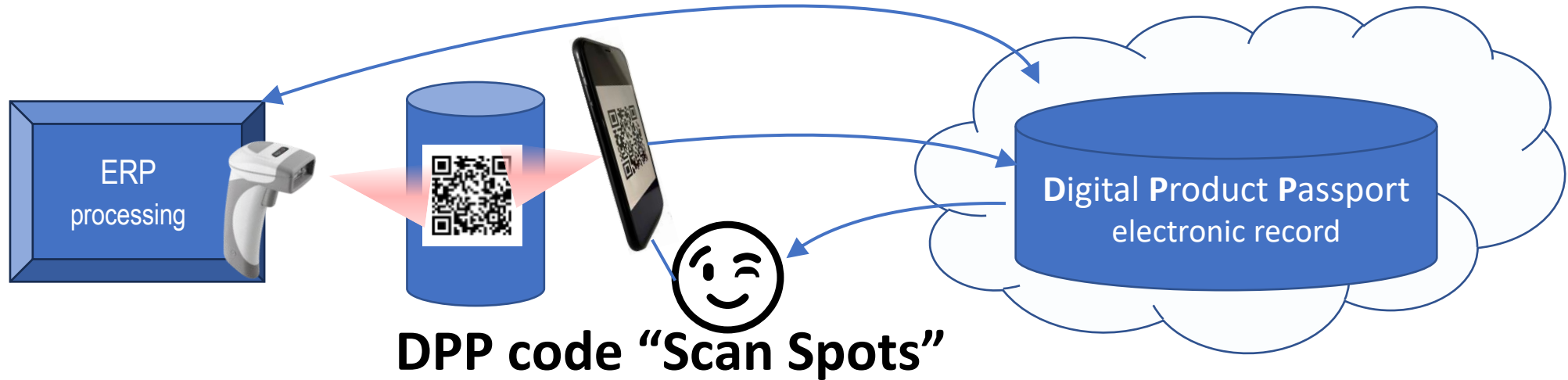| DPP | DPP | DPP | GS1 | DPP | |
|---|---|---|---|---|---|
| 1 *UID first, standard | 2 UID first + WEB | 3 URL first AutoID URL | 4 URL first GS1 Dig. link | 5 URL first IEC ID link | 6 Other ID schemes |

*Note: For code construct content of example 1 to 5 see doc:
Investigation_of_DPP-ID-Codes_EDCi-whitePaper-r230823.pdf  and/ or  Digital-Passport-ID-methods_part-II_.230328.pdf*   ©EDCi 2023-09-29   **4**

# DPP code "Scan Spots"

**See also Digital-Passport-ID-methods_part-II_.230328 and AutoID URL demonstrator**

# Questions, contributions, suggestions are appreciated

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