



# **Interoperability in IoT Identification**

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## Key Features

<Prefix / Suffix>

### Extensible

Introducing local namespaces globally without conflicts **01**

### Secure

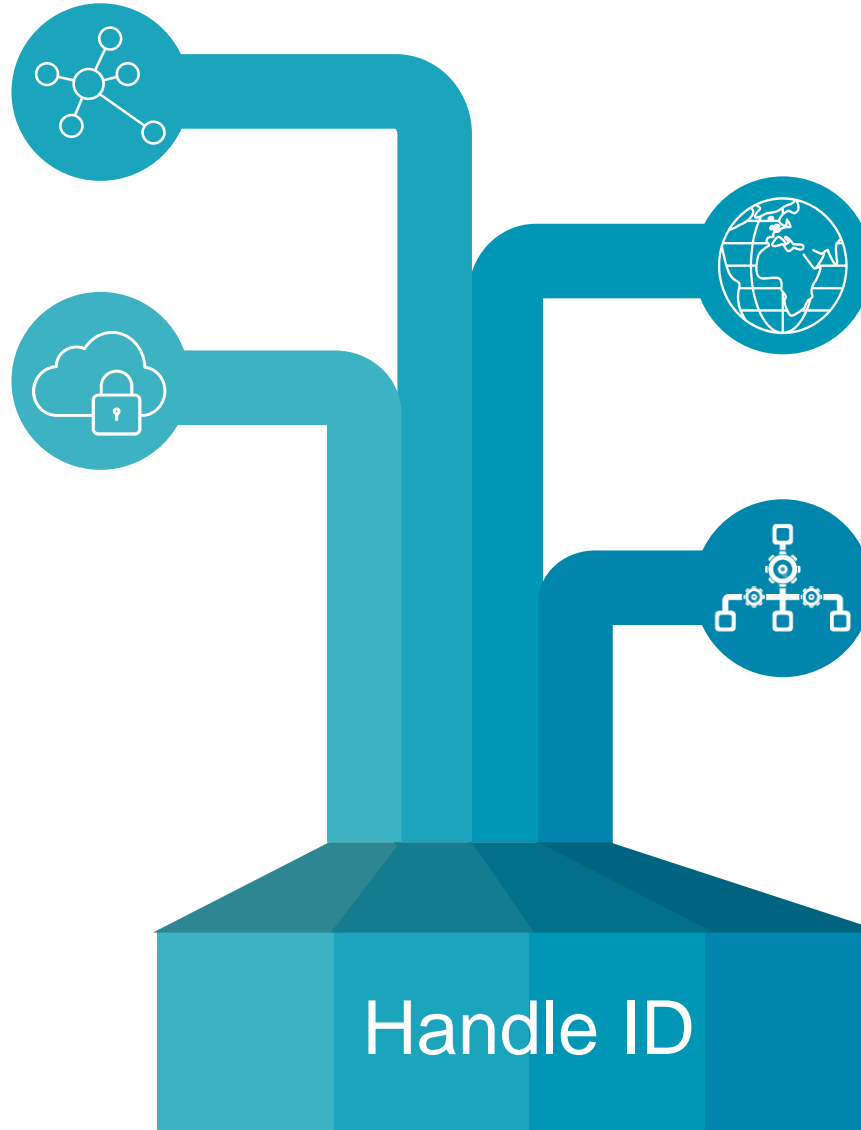
Defines standard mechanisms for client/server authentication via built-in Public Key Infrastructure **03**

### International Support

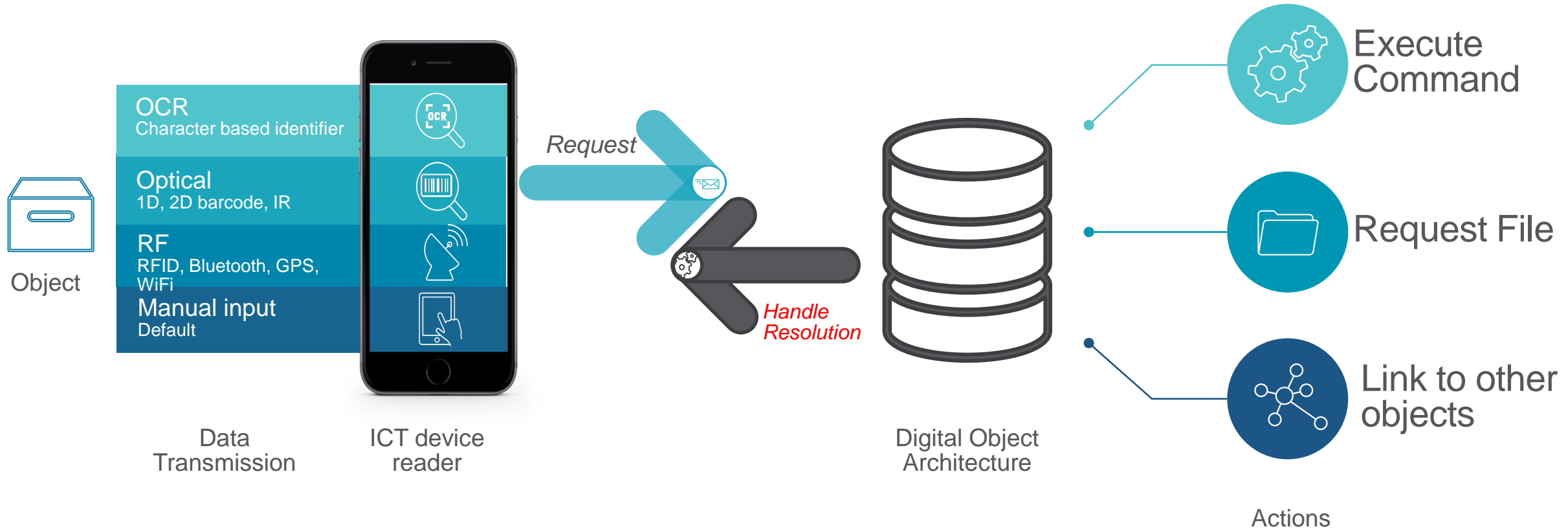
**02** Unicode 3.0 character set with UTF-8 encoding

### Distributed

**04 Administration:** Secure management over the public network by owner at any location  
**Service:** Replication of any service into multiple service site which can be distributed into cluster of servers



# Architectural components





# Case Study

**Combating counterfeiting for ICT devices**

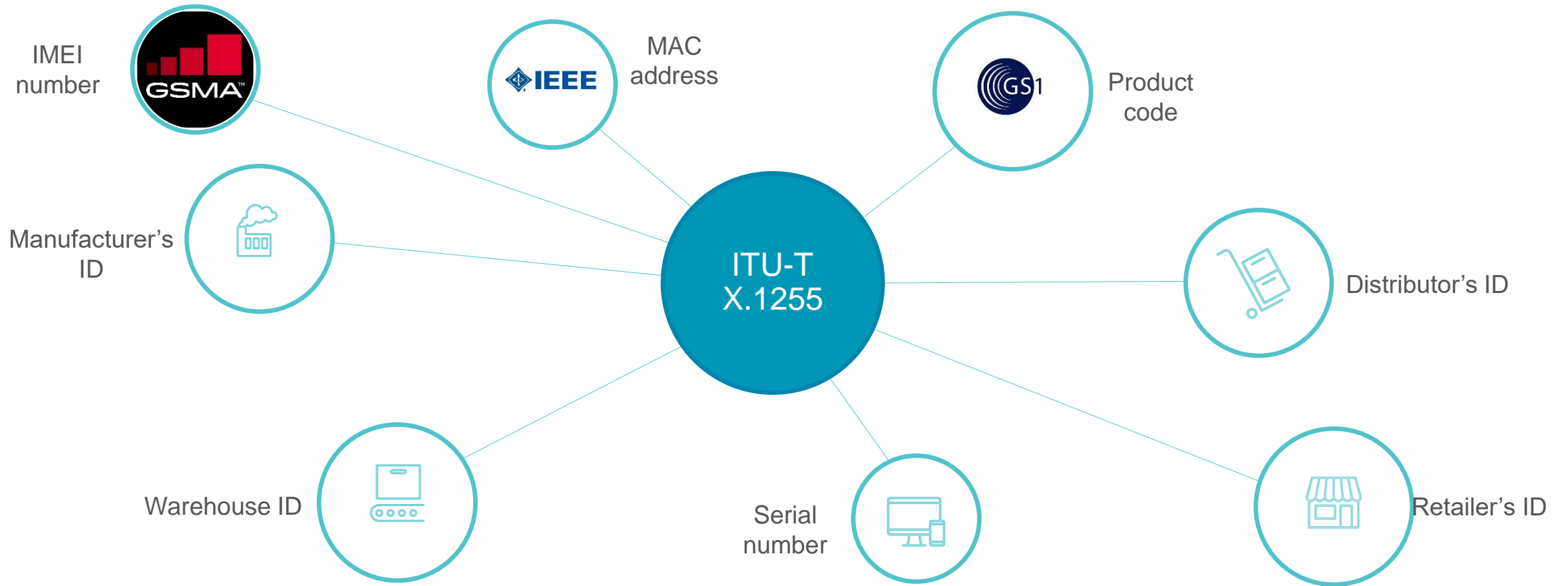
# Case Study: Combating counterfeiting for ICT devices

Overview



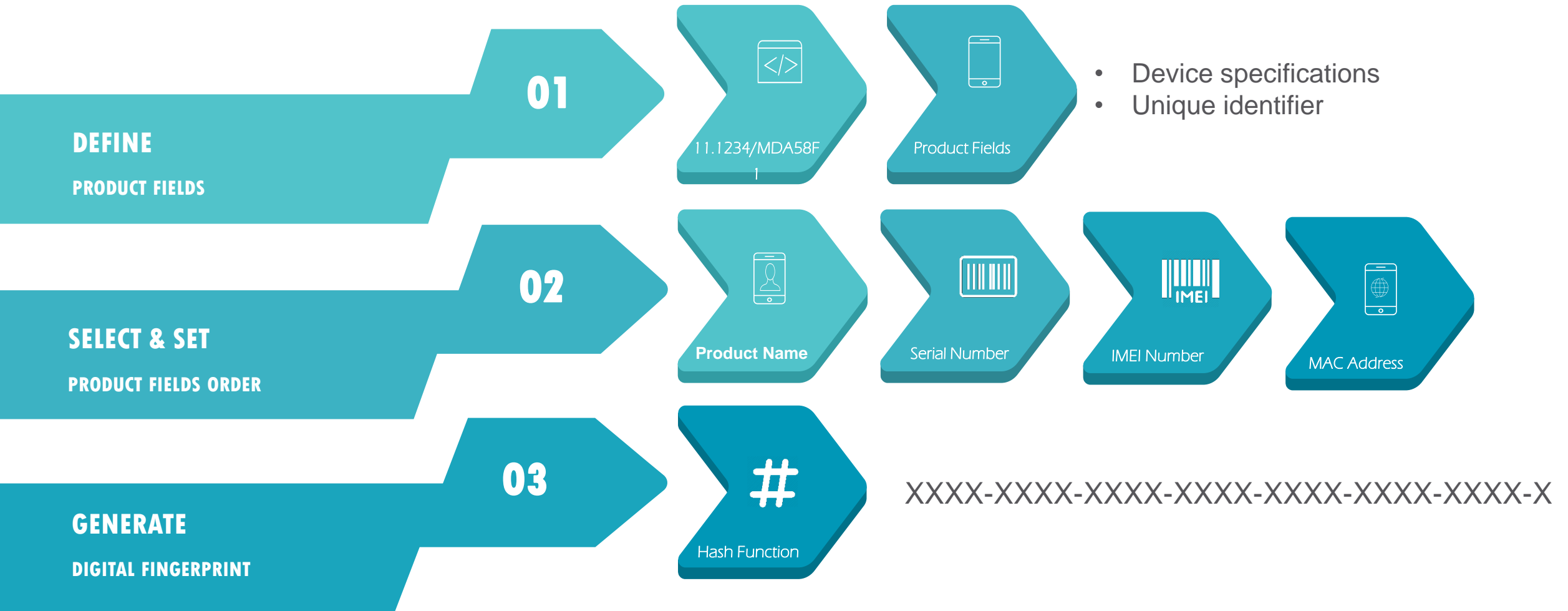
# Case Study: Combating counterfeiting for ICT devices

Different identifiers working together



# Case Study: Combating counterfeiting for ICT devices

Handle ID, Handle record and Digital fingerprint generation



# Case Study: Combating counterfeiting for ICT devices

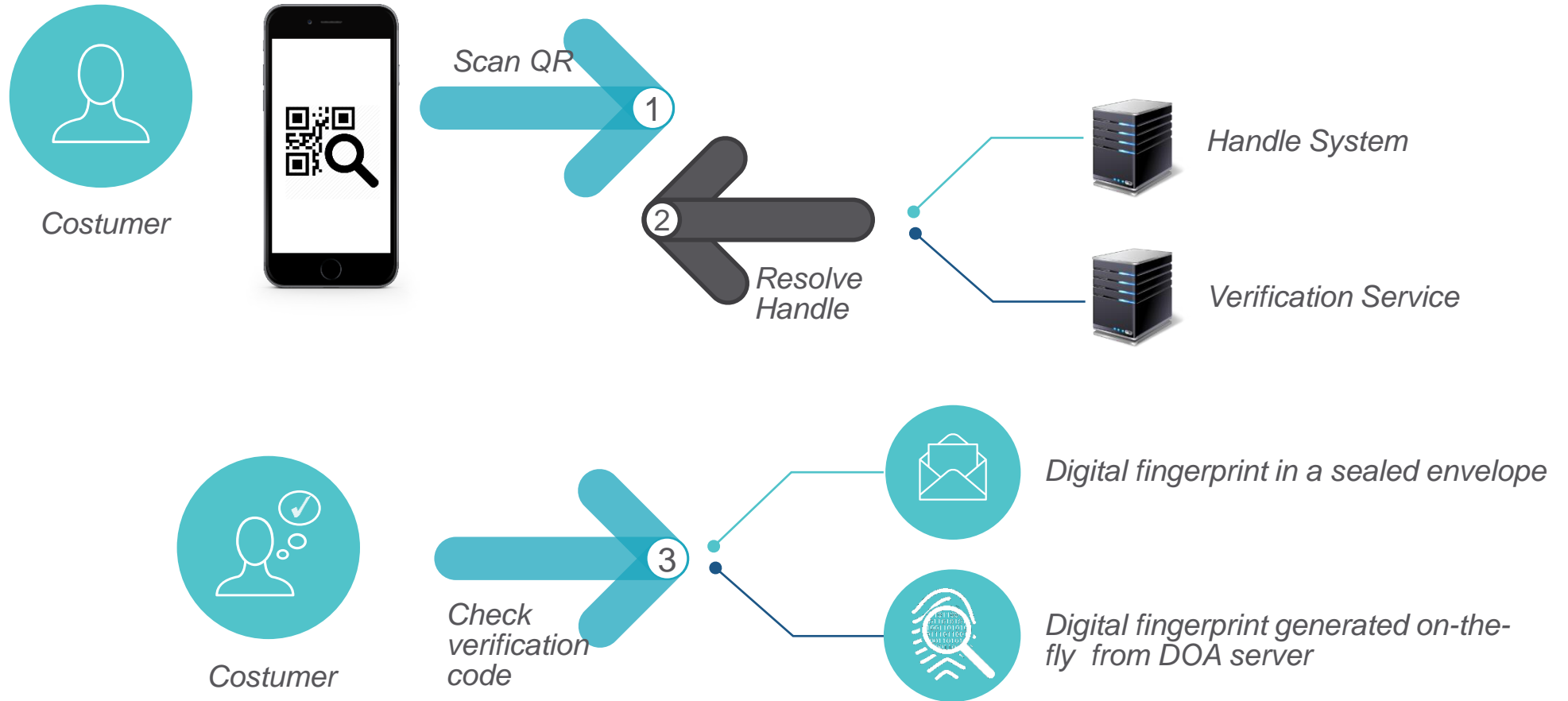
Supply chain traceability





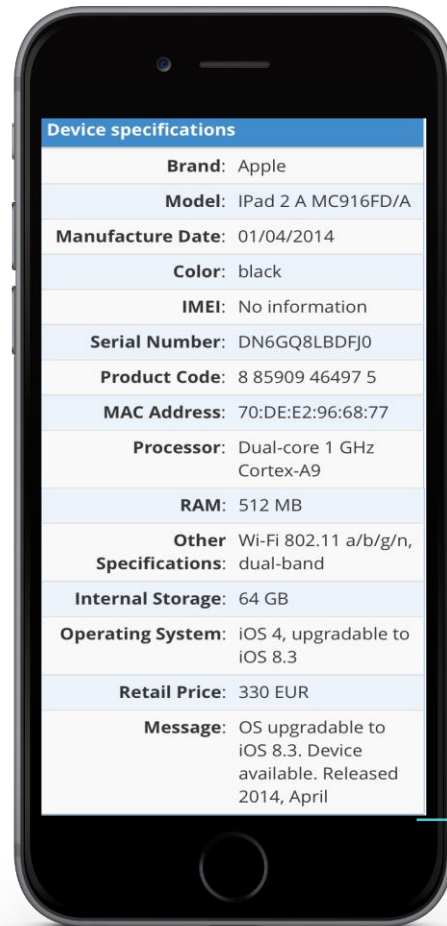
# Case Study: Combating counterfeiting for ICT devices

## ICT device authentication process



# Case Study: Combating counterfeiting for ICT devices

Handle ID & Structured Data (device metadata)



The verification pop-up window contains the following information:

Verification	
<b>Handle ID:</b>	11.1234/MDUBPCGK81 ✓
<b>Verification Code:</b>	401Y-P2LG-E9OG-SG00-84O8-8K08
<a href="#">Validate Verification Code</a>	

**Thank You**

