

Global Dialogue on Seafood Traceability

# RESOURCES FOR TECHNICAL PROFESSIONALS

---

LAST UPDATED: FEBRUARY 2024





## ▶ EPCIS Resources:

We recommend that users first read the entire EPCIS documentation and the CBV documentation, however we have included references to key sections to start with:

- [EPCIS 2.0 Standard](#) – Focus on section 7.
- [EPCIS 2.0 CBV](#) – Focus on sections 3, 6, 7, 8, and 9.
- [GDST URN Registration](#) – This is our official URN registration for GDST identifiers. This will show you how to build a GDST identifier for an EPC, GTIN, GLN, PGLN, etc. without a GS1 Company Prefix.

## ▶ GDST Standard Documentation:

The CTE / KDE matrix which defines what information will be recorded.

- [Core Normative Standard](#) – Lays out the CTE / KDE matrix in Section 2.1
- [Basic Universal KDE List](#) – Lays out a list of the KDEs in the Wild and Aquaculture tabs.

## ▶ Background and examples on the JSON-LD format:

The [EPCIS 2.0 standard](#) which describes the JSON-LD format.

## ▶ Information on the communications protocol:

- The [developer documentation](#) outlines how the communication protocol works at a technical level.
- Section 2 of the [GDST technical standard](#) outlines how the communication protocol works.

## ▶ GDST Capability Test:

The Capability Test is used to determine if a traceability system has implemented all aspects of the GDST standard, including the ability to send and receive the complete CTE/KDE and master data set, in the correct format, using the required communications protocol.

- **Once you have signed up for the Capability Test**, you will have access to the [Check Tool](#) which can be used for checking an JSON-LD document for schema validation and completeness - a preliminary step to running the full GDST capability test.
- The developer documentation outlines how the test is taken for full chain, first mile wild, or first mile aquaculture. **Please reach out to [info@thegdst.org](mailto:info@thegdst.org) to register for the Capability Test.**
- Once a solution passes the test, it is listed on the [GDST website](#).





## ► Additional resources:

- Identifiers video can be found [here](#), you can access it with the password “IFTGFTC”
- [GDST URN Registration](#).
- [EPCIS 2.0 Artifacts](#) – These are additional files for the EPCIS 2.0 standard such as the EPCIS 2.0 JSON-LD Schema which can be used to validate the JSON-LD format.
- [EPCIS 2.0 Example Files](#) – These are example files from the EPCIS 2.0 core standard provided by GS1.

## ► Open-Source Software Development Kits:

These open-source [Software Development Kits \(SDKs\)](#) supports developers with the transition to the requirements of the GDST 1.2 Standard and make it easier for solutions to become GDST-Capable. The SDKs contain Models, Mappers, and Utility Code for specific functions and executing the communication protocol. SDKs are currently available in C# and Java.





# CONTACT

If you have any questions, please reach out to us at **info@thegdst.org**

Stay connected at:

- 🌐 theGDST.org
- ✉ info@thegdst.org
- ✕ @theGDST
- in Global Dialogue on Seafood Traceability (GDST)

