

# New Material Codes - Codification changes - Transactions

Union Database (UDB)

DG ENER

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# Agenda

- I. Overview of the New Material Code Changes - Transactions
- II. New Material Codification in Transactions
  - a. UDB User Interface updates
  - b. Bulk Upload File(s) updates
  - c. Exchange Model updates
- III. Transition period Approach & Time



# Overview of the New Material Code Changes - Transactions

The New Material Code Classification introduces targeted changes to UDB transactions to support the new material coding structure. These changes affect selected transaction types by introducing new data requirements and validations for material codes, **Produced From Material**, and **Technology / Production Pathway**.

To support the New Material Code Classification, updates will be implemented across the UDB User Interface, and eDelivery services.

| Functionalities impacted                                       | Key Updates                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part A, Part B, Sourcing Contact                               | <ul style="list-style-type: none"><li>Only new codes, legacy-valid and legacy-deprecated codes allowed (until current certificates expire)</li></ul>                                                                                                                                                                                                                                                       |
| Point of Origin Stock Registration, Initial Stock registration | <ul style="list-style-type: none"><li><b>Produced From Material</b> is required for applicable materials.</li></ul>                                                                                                                                                                                                                                                                                        |
| Material Processing, Mix of Inputs and Liquefaction            | <ul style="list-style-type: none"><li>Output materials must use New Material Codes (new codes and legacy-valid codes). New fuel outputs also require Technology / Production Pathway.</li><li>Fuel outputs must use New Material Codes and include Technology / Production Pathway.</li><li>To ensure the correct default values, use the appropriate material code from the Fuel Mapping Table.</li></ul> |

# Exchange Model updates – Transactions

New elements added. For more details on new UDB validations on Codes and the fields below please refer to the previous slide.

| eDelivery Service impacted       | New element                                               | Cardinality | Parent element where new element is to be added |
|----------------------------------|-----------------------------------------------------------|-------------|-------------------------------------------------|
| EOAddPoOStockRequest             | <PRODUCED_FROM>string</PRODUCED_FROM>                     | Optional    | <EO_POO_STOCK_DETAIL>                           |
| EOGetPoOStockResponse            | <PRODUCED_FROM>string</PRODUCED_FROM>                     | Optional    | <EO_POO_STOCK_DETAIL>                           |
| TransactionBuyerNotification     | <MATERIAL_TECH_PROD_PATH>string</MATERIAL_TECH_PROD_PATH> | Optional    | <FUEL_CONSIGNMENT>                              |
| EOAddMaterialProcessingRequest   | <MATERIAL_TECH_PROD_PATH>string</MATERIAL_TECH_PROD_PATH> | Optional    | <OUTPUT_POS_DATA>                               |
| EOGetMaterialProcessListResponse | <MATERIAL_TECH_PROD_PATH>string</MATERIAL_TECH_PROD_PATH> | Optional    | <OUTPUT_POS_DATA>                               |
| EOAddMixOfInputRequest           | <MATERIAL_TECH_PROD_PATH>string</MATERIAL_TECH_PROD_PATH> | Optional    | <OUTPUT_POS_DATA>                               |
| EOGetMixOfInputResponse          | <MATERIAL_TECH_PROD_PATH>string</MATERIAL_TECH_PROD_PATH> | Optional    | <OUTPUT_POS_DATA>                               |
| EOAddLiquefactionRequest         | <MATERIAL_TECH_PROD_PATH>string</MATERIAL_TECH_PROD_PATH> | Optional    | <EO_LIQUIFACTION_POS_DETAILS>                   |
| EOGetLiquefactionResponse        | <MATERIAL_TECH_PROD_PATH>string</MATERIAL_TECH_PROD_PATH> | Optional    | <EO_LIQUIFACTION_POS_DETAILS>                   |



# Transition period Approach & Time - Fuels

## From End of September 2026

- The **New Material Code Classification** will be supported for UDB transactions.

## Fuel Transactions

- **New Material Codes** are required for fuel outputs in:
  - Material Processing
  - Mix of Inputs
  - Liquefaction
- **Technology / Production Pathway** must be provided when registering the transaction, even if it is not included in the certificate.

## Existing Consignments

- Existing consignments will continue to use the material code assigned when they were created.

## Reference

- See the **Material Code Mapping** document for the mapping between legacy and new material codes [here](#).



# Transition period Approach & Time – Materials

**From End of September 2026**

The **New Material Code Classification** will be supported for UDB transactions.

## **Material Transactions**

- **Produced From Material** is required for applicable materials in **Point of Origin Stock Registration**.
- **New Material Codes** are required for material outputs in **Material Processing**.
- Existing consignments will continue to use the material code assigned when they were created.

## **Reference**

- See the **Material Code Mapping** document for the mapping between legacy and new material codes [here](#).

**Note:** *Deprecated codes are legacy codes that could not be mapped to a new material code.*



# Thank you



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