

Shisha imports to EU Special case

1. Introduction

EGP2 factory (JTI Nakhla in Cairo, Egypt) produces shisha (hookah, waterpipe tobacco, SKW product) for EU under TPD regulation (in additional to many non-regulated other markets). Importation of Shisha to EU process is unique for T&T in JTI because importation is performed by 3rd parties, and they have their own TPD registration and importantly their own Primary Repositories (Primaries). For each EU market there's a separate importer (and currently only one per market). That leads to following consequences:

- Code Orders for EGP2 factory should be done on behalf of the importer, using credentials provided by importers and its registration data (that's configured in the Vault)
 - Some Importers (currently in Austria), decided to order the codes manually by themselves and send them to the factory. To upload codes to the Gate in such case, a support request for T&T Support team is required with an attached file. Reporting part is executed as in normal scenario.
- Factory messages sent by EGP2 to Inextrack should be reported to importer's Primary not JTI primary. To achieve that, two functionalities exist - Master Data Management for Shisha & Inextrack 3rd Party primary Reporting Configuration. Below these two functionalities are explained in detail.

2. Pre-requisites overview

Following data is necessary to establish 3rd-party import:

- Factory registration performed by each Importer on ID issuer side, under their own Economic Operator ID. This includes Facility ID, Machines IDs and Machines Parts. Registration data is summarized by GSC CP [here](#)
 - EO/F IDs are registered as part of Business Entity in Inextrack for EGP2 factory. As Inextrack internal IDs, Economic operator is urn:atos:loc:JTI_SAP_ECC_PRD:6223000090008 and Facility is urn:atos:loc:JTI_SAP_ECC_PRD:EGP2, while ID Issuer provided EO and Facility is unique per each market. See below an example table and representation in Inextrack. Standard BE data management is used.

Entity in Inextrack	Market	Registered EO/F in Inextrack
urn:atos:loc:JTI_SAP_ECC_PRD:6223000090008	AT	LEAT1EGTOB
urn:atos:loc:JTI_SAP_ECC_PRD:6223000090008	ES	1E9_8445102004167
urn:atos:loc:JTI_SAP_ECC_PRD:EGP2	AT	LEAT1FITOBNAK001
urn:atos:loc:JTI_SAP_ECC_PRD:EGP2	ES	1E908445828128819

Code

JTL_SAP_ECC_PRD:622300090008

SSLN

(Empty)

Name

JTI-EG-622300090008-Nakhla Tobacco Free Zone S.A.E.

Used as

Address 1

Ataf El Sadat St., General Free Zone

Address 2

(Empty)

Zip

32111-22

City

Shenin El Kom-Monofeya

Country

EG - Egypt

Alternate Code

(Empty)

Latest Activity Date

(Empty)

Yes

Tax Number

EG00452568234

Properties

Name	Description	Value
LastUpdateDateTime		2024-08-28 09:37:06
um:inexto:core:mda:taxnumber		EG00452568234
um:inexto:tobacco:mda:exesid:AT		LEAT1EGTOB
um:inexto:tobacco:mda:exesid:ES		1E9_8445102004167

JTL_SAP_ECC_PRD:EGP2

(Empty)

Name

JTI-EG-EGP2-Nakhla Tobacco Free Zone S.A.E.

Used as

Factory, Tracking Location

Address 1

Ataf El Sadat St., General Free Zone

Address 2

(Empty)

Zip

32111-22

City

Shenin El Kom-Monofeya

Country

EG - Egypt

Alternate Code

(Empty)

Latest Activity Date

22/08/2024 09:58:28 +03:00

Yes

Properties

Name	Description	Value
LastUpdateDateTime		2024-08-28 09:37:06
ParentEID		um:atlas:doc:JTL_SAP_ECC_PRD:622300090008
um:inexto:tobacco:mda:exesid:AT		LEAT1EGTOB
um:inexto:tobacco:mda:exesid:ES		1E9_8445102004167
um:inexto:tobacco:mda:exfid:AT		LEAT1F170BNA001
um:inexto:tobacco:mda:exfid:ES		1E908463828128819

- EO/F ID registered in Vault as part of routing rules for EGP2 factory/destination market combinations. Standard Vault functionality is used.
- Importers provided their primary vendor type (Dentsu, Zetes etc) and credentials to allow EGP2 factory to send factory events (see below the events in scope) to their respective Primaries on behalf of Importer's.
 - Credentials include endpoint, client ID and password and are provided from importer to IT BTS via GSC CP, then provided by IT BTS to Inexto for actual implementation in Inextrack.
 - Events in scope: Commissioning, Aggregation, Disaggregation, and Destruction

3. Master Data Management for Shisha

The configuration table exists in Azure MD interface as follows. Template file is stored in [shisha-mgm](#) folder.

MaterialGroup	Prime_Market	Product_Property_Key	Product_Property_Value
SKW	AT	urn:inexto:tobacco:mda:eutpdproduct:dentsu	tobacco:eutpd:delivery:dentsuprimary:at
SKW	ES	urn:inexto:tobacco:mda:eutpdproduct:zetes	tobacco:eutpd:delivery:zetesprimary:es
SKW	D4	urn:inexto:tobacco:mda:eutpdproduct:zetes	tobacco:eutpd:delivery:zetesprimary:es

According to the table, there is a rule assigning products in scope (with matching material group and market) with property used later by Inextrack to correctly route factory messages to 3rd party primaries. Specifically, Product_Property_Key serves as Primary and Market designator and Product_Property_Value serves as path to Credentials and Endpoint stored on Inextrack side.

Notes on the table:

- 1) **Material group** us standard JTI designation, now only SKW (waterpipe, shisha) is used in this table
- 2) **Prime Market** – same concept as in SAP, so for example D41 market is ‘D4’ Prime Market and ‘1’ as Sub Market.
- 3) **Product_Property_Key** – code of primary provider, from the list below

Following Primary providers are supported by Inextrack.

Primary provider	Product_Property_Key
Dentsu	urn:inexto:tobacco:mda:eutpdproduct: dentsu
Atos	urn:inexto:tobacco:mda:eutpdproduct: atos
Honeywell	urn:inexto:tobacco:mda:eutpdproduct: honeywell
Zetes	urn:inexto:tobacco:mda:eutpdproduct: zetes
Worldline	urn:inexto:tobacco:mda:eutpdproduct: worldline

Product Property Key structure: urn:inexto:tobacco:mda:eutpdproduct:**PRIMARYNAME**

- 4) **Product_Property_Value** – Combination of
‘tobacco:eutpd:delivery:[PRIMARY_CODE]primary:[MARKET_CODE]’

Combined here as generic example:

MaterialGroup	Prime_Market	Product_Property_Key	Product_Property_Value
MaterialGroup1	X1	urn:inexto:tobacco:mda:eutpdproduct:PRIMARY1	tobacco:eutpd:delivery: PRIMARY1primary:X1

MaterialGroup1	X2	urn:inexto:tobacco:mda:eutpdproduct:PRIMARY2	tobacco:eutpd:delivery:PRIMARY2primary:X2
MaterialGroup2	X1	urn:inexto:tobacco:mda:eutpdproduct:PRIMARY3	tobacco:eutpd:delivery:PRIMARY3primary:X1

a. How to update configuration of Material Master – primary assignment in Inextrack

Create a Support request for MD Team, provide new table with updates rules. Current file is located In the folder [shisha-mgm](#) – use it as the template when modifying data.

4. Inextrack Reporting for Shisha

Intertrack functionality implemented for Shisha is explained on Inexto's wiki <https://inexto.atlassian.net/wiki/spaces/REPOSITORY/pages/515571726/Shisha+Import+Process+Overview>

See extract below in Appendix I.

b. How to update connectivity configuration of Primaries in Inextrack

Create a Support request for Inexto Support, provide new credentials in case of change or new market. Ensure that Configuration table Azure MD updated accordingly and check actual product before testing Inexto change.

Add a new importer for a new market

1. Add line for material master as explained in Master Data Management for Shisha section
2. Get credentials from Importer (endpoint, client ID and password) and provide to Inexto via support request along with primary ID
3. Configure the Vault (next section)

Change connection of existing importer

1. Get credentials from Importer (endpoint, client ID and password) and provide to Inexto via support request along with primary ID
2. Configure the Vault (next section)

5. Vault Configurations for Shisha

In Vault, following configurations are implemented for Shisha import process:

1. Correct routing for EGP2 factory for each market using credentials provided by Importer. This part uses standard Vault functionality and not differs from a normal factory

configuration as such (routing between factory-market-ID Issuer). Importer is not referenced here explicitly but importer-provided credentials are used to connect to ID issuer for the specific EGP2 factory and specific market.

- 1.1. Therefore to add new importer, new routing rule for a new market should be added, with a set of new credentials for a specific ID issuer
- 1.2. To change importer for an existing market, it is enough to change credentials for an existing rule.
2. Primary Code check is disabled for EGP2 (because system will check in JTI's Primary not in Importer's Primary causing an error).
3. Primary Vendor-specific configurations, currently only two vendors are in use:
 - 3.1. **Dentsu** - standard for Vault.
 - 3.2. **Zetes** – currently Zetes driver works incorrectly, sending unnecessary information to Zetes, causing errors on Zetes side. Bug fix to be implemented by Inexto. As a workaround, Zetes driver is disabled and being enabled by request.

a. Zetes-specific current Workaround

Currently to make a code request for Spain in EGP2 plant we need to the following procedure:

1. Enable **Zetes** driver
2. Trigger the code request for Spain
3. After code download we check in Vault if the messages have been sent to **Zetes**
4. After we confirm messages are uploaded we can disable the Zetes driver again

This special process is required because **Zetes** has a special implementation. All of the communication is done with their **Private repository** and therefore since **id issuer** is sending codes **to us and their Primary**, their **Private repository** doesn't recognize our production codes until we upload them via **Vault**.

The upload of the codes is mandatory for **Inextrack reporting** to be successful.

b. Master Data in Zetes system

In Zetes Olympus solution, JTI master data should be configured prior using the system.

These are provided by GSC CP (business) to Zetes using Zetes-provided templates (Excel tables).

A detailed explanation is provided in Annex II.

6. Annex I – Inexto's solution for Inextrack

Solution provide correct routing of factory messages according to JTI's requirement, particularly to:

- Identify correct primary
- Use correct credentials (so reporting will be performed using importer's credentials)

Example:

1. Product A with property that identifies a primary of type ATOS for importer of market DE which will have its own:
endpoint+credential urn:inexto:tobacco:mda:eutpdproduct:atos:DE
2. Product B with property that identifies a primary of type ATOS for importer of market AT which will have its own:
endpoint+credential urn:inexto:tobacco:mda:eutpdproduct:atos:AT
3. Product C with property that identifies a primary of type DENTSU for importer of market PL which will have its own: urn:inexto:tobacco:mda:eutpdproduct:dentsu:PL

When factory messages for product A are received, they will be routed to ATOS primary with the configured endpoint and credentials of the property urn:inexto:tobacco:mda:eutpdproduct:atos:DE, which will be different than the ones configured for product B.

To achieve that, a routing table is maintained in Inextrack, mapping products to credentials and primary endpoints, using master data assigned on product level.

Multiple active primaries of the same kind (e.g. Dentsu 1, Dentsu 2, etc. defined as different configuration settings that have credentials and endpoint)

For JTI, each importer will be associated with one product only, meaning, importers will report data for one type of product to the primary instance. However, the solution will be flexible enough to allow for the multiple-product association (as indicated in the table below)

For a single product only one supported primary product key is allowed:

- urn:inexto:tobacco:mda:eutpdproduct:dentsu
- urn:inexto:tobacco:mda:eutpdproduct:atos
- urn:inexto:tobacco:mda:eutpdproduct:honeywell
- urn:inexto:tobacco:mda:eutpdproduct:zetes
- urn:inexto:tobacco:mda:eutpdproduct:worldline

To align with the current solution, the properties suggested in the requirements were modified per the above examples. Key point to note is that the property value is a path that will identify the correct credentials and endpoints of the corresponding primary instances.

The following table provides the flow of data between the importers and primary instances for primaries that are currently supported by INEXTO.

				Product Property Value is config.Setting Path to Credentials and Endpoint	config.Setting Value	
1	Product	Importer	Product Property Key to identify the type of primary	Product Property Value	Credentials made up of Client Id and Client Secret	Endpoint
2	Product A	Importer 1	urn:inexto:tobacco:mda:eutpdproduct:dentsu	tobacco:eutpd:delivery:dentsuprimary:de	CID_001_1, CS_001_1	EP_001
3	Product B	Importer 2	urn:inexto:tobacco:mda:eutpdproduct:dentsu	tobacco:eutpd:delivery:dentsuprimary:at	CID_001_2, CS_001_2	EP_001
4	Product C	Importer 3	urn:inexto:tobacco:mda:eutpdproduct:dentsu	tobacco:eutpd:delivery:dentsuprimary:gb	CID_002_1, CS_002_1	EP_002
5	Product D	Importer 4	urn:inexto:tobacco:mda:eutpdproduct:dentsu	tobacco:eutpd:delivery:dentsuprimary:pl	CID_003_1, CS_003_1	EP_003
6	Product E	Importer 4	urn:inexto:tobacco:mda:eutpdproduct:atos	tobacco:eutpd:delivery:atosprimary:de	CID_101_1, CS_101_1	EP_101
7	Product F	Importer 4	urn:inexto:tobacco:mda:eutpdproduct:atos	tobacco:eutpd:delivery:atosprimary:at	CID_102_1, CS_102_1	EP_102
8	Product G	Importer 5	urn:inexto:tobacco:mda:eutpdproduct:atos	tobacco:eutpd:delivery:atosprimary:gb	CID_101_2, CS_101_2	EP_101
9	Product H	Importer 5	urn:inexto:tobacco:mda:eutpdproduct:atos	tobacco:eutpd:delivery:atosprimary:pl	CID_102_2, CS_102_2	EP_102
10	Product I	Importer 6	urn:inexto:tobacco:mda:eutpdproduct:atos	tobacco:eutpd:delivery:atosprimary:ro	CID_103_1, CS_103_1	EP_103
11	Product J	Importer 7	urn:inexto:tobacco:mda:eutpdproduct:honeywell	tobacco:eutpd:delivery:honeywellprimary:de	CID_201_1, CS_201_1	EP_201
12	Product K	Importer 8	urn:inexto:tobacco:mda:eutpdproduct:honeywell	tobacco:eutpd:delivery:honeywellprimary:at	CID_202_1, CS_202_1	EP_202
13	Product L	Importer 9	urn:inexto:tobacco:mda:eutpdproduct:honeywell	tobacco:eutpd:delivery:honeywellprimary:pl	CID_203_1, CS_203_1	EP_203
14	Product M	Importer 10	urn:inexto:tobacco:mda:eutpdproduct:zetes	tobacco:eutpd:delivery:zetesprimary:de	CID_301_1, CS_301_1	EP_301
15	Product N	Importer 11	urn:inexto:tobacco:mda:eutpdproduct:zetes	tobacco:eutpd:delivery:zetesprimary:at	CID_302_1, CS_302_1	EP_302
16	Product O	Importer 12	urn:inexto:tobacco:mda:eutpdproduct:zetes	tobacco:eutpd:delivery:zetesprimary:pl	CID_303_1, CS_303_1	EP_303
17	Product P	Importer 13	urn:inexto:tobacco:mda:eutpdproduct:worldline	tobacco:eutpd:delivery:worldlineprimary:de	CID_401_1, CS_401_1	EP_401
18	Product Q	Importer 14	urn:inexto:tobacco:mda:eutpdproduct:worldline	tobacco:eutpd:delivery:worldlineprimary:at	CID_402_1, CS_402_1	EP_402
19	Product R	Importer 15	urn:inexto:tobacco:mda:eutpdproduct:worldline	tobacco:eutpd:delivery:worldlineprimary:pl	CID_403_1, CS_403_1	EP_403

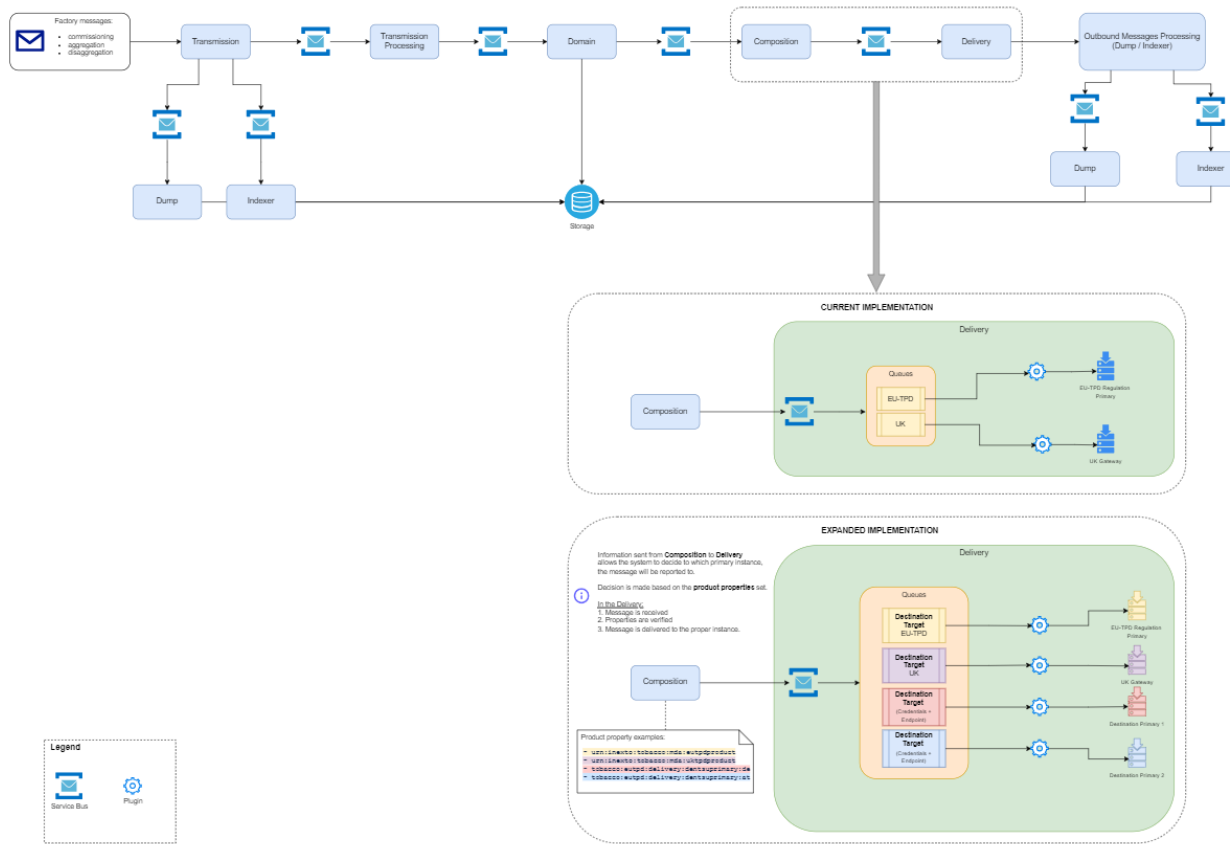
a. Example of Shisha Import

Product property to identify:

- Primary type and instance
- Importer



b. Shisha Import process flow



c. 3PL vs Shisha Importers Scenarios

Clarification on the 3PL flag for reporting to router with shisha change:

Shisha is produced by a JTI factory but needs to be reported to the specific importer primary depending on the configuration.

1. 3PL manages logistic BE reporting to router
2. Shisha product configuration manages the reporting to the specific importer primary (importer from the JTI's point of view is also a 3PL but it has different significance here)

For shisha products, there are no logistic messages reported, only the aggregations and disaggregations from the production.

Scenario	Shisha	Endpoint Configuration	Expected Result
1	False	N/a	Send to the JTI primary
2	True	Correct	Send to the specific importer primary
3	True	Incorrect	Message routed to the internal error queue, and visible in the Transmission Log and Aggregation Status screens.
4	True	Not configured	Message routed to the internal error queue but will <u>not</u> be visible in the <u>UI</u> .

7. Annex II – Zetes master data

In Zetes Olympus solution, JTI master data should be configured prior using the system.

These are provided by GSC CP (business) to Zetes using Zetes-provided templates (Excel tables).

Data includes:

- EO IDs, FIDs, MIDs as registered on ID Issuer (same format as ID issuer exactly, free from)
- Product Master Data divided in two categories:

- Product Format

- See attached explanation of Product Formats data and a template table



Product%20Formats
.xlsx



Proyecto TPD -
Product Formats (CS)

- Products

- See attached explanation of Products and a template table



Products.xlsx



Proyecto TPD -
Products (CSV).pdf

If not configured, messages sent by Inexto Zetes Driver from the Vault will fail. After adding missing MD, re-sending of failed messages is possible.