

# cTransit module



**cTransit is a system for processing transit declarations and TIR vouchers.** Based on Cybernetica's Customs Engine (CuE) platform, cTransit is a Web-based Java Enterprise application that inherits the main features of CuE, such as

- ▶ XML-based document processing
- ▶ Dynamic processing rules for validating and editing customs documents (in this case, export notices and IE messages)
- ▶ On-the-fly customizable entry screens
- ▶ Bindings with common subsystems
- ▶ The reporting subsystem
- ▶ cTransit can easily be integrated with other CuE modules (for example cSAD or cICS) to provide users with a single, integrated application view.

## Main Features

cTransit supports common transit functionality (risk analysis, authorized operators). The system contains two modules – cNCTS and cTIR that implement the NCTS phase 4 functionality and NCTS-TIR functionality, respectively.

Main features:

- ▶ **Risk assessment** – cTransit can perform risk analysis (including safety and security risk analysis) using processing rules or connect to an external risk analysis system.
- ▶ **Work order management** – cTransit can perform basic work order management or connect to an external work order management system (for example, to request physical inspection of goods).
- ▶ **Customs supervision** – cTransit enables to send and answer customs enquiries, including movement enquiries.
- ▶ **Message exchange with authorized operators** – cTransit supports message exchange with authorized operators and enables to enter arrival notification and unloading remarks.
- ▶ **Integration with cICS and cECS** – transit declarations and TIR vouchers can be used as Entry Summary Declaration or Exit Summary Declaration documents.

The main features of cNCTS are as follows.

- ▶ **Submitting and processing transit declarations** – cNCTS supports the whole lifecycle of a transit operation. The module contains beginning operation, ending operation and Transit Customs Office functionality.
- ▶ **Managing guarantees** – cNCTS can handle guarantees, send and answer inquiries on guarantees, and capture access codes.

## CuE – surest way to compliance!

- ▶ **The most reliable software of its kind** – CuE has successfully passed a continuous, three-year, real-life testing period in Estonian border customs offices
- ▶ **Developed and tested in "e-Estonia"** – the homeland of Skype and the first ever e-voting and e-government systems in the world
- ▶ Supports fully **WCO SAFE Framework** and **Revised Kyoto Convention**
- ▶ **Implements EU legislative acts in business rules** – almost 80% of currently implemented business rules can be reused in other EU member states
- ▶ Can be **flexibly implemented module by module** without stopping the operations
- ▶ Can be **transparently customized** after implementation
- ▶ **Has the best cost-benefit ratio in the market** – CuE offers high-end functionality while being less expensive than custom-made or competing solutions
- ▶ Developed by Cybernetica AS, a company with international co-operation experience and a **long track record of highly reliable software**
- ▶ Saves **public money** through cost-efficiency
- ▶ Has an **experienced back-up team** to provide highly professional assistance during the implementation process

The main features of cTIR are as follows.

- ▶ **Submitting and processing TIR vouchers** – cTIR supports the whole lifecycle of a TIR operation. The module contains beginning and ending operation functionality.
- ▶ **Integrating with IRU** – Through the IRU interface, cTIR can send SafeTir messages and receive invalid carnet lists and pre-declarations.
- ▶ **Running in standalone mode** – The cTIR module can be used in standalone mode, without a connection to the NCTS.

### System Overview

cTransit is further divided into the following modules.

#### ▶ cNCTS

- ▶ **Departure customs office** – support for inspecting and releasing consignments; support for transit declaration supervision until the transit operation ends.
- ▶ **Transit customs office** – support for notifying the office of departure of a consignment crossing the border.
- ▶ **Destination customs office** – support for registering the consignment arrival; support for inspecting the consignment and notifying the office of departure of inspection results.

#### ▶ cTIR

- ▶ **Begin Operation** – implements the NTA departure office functionality. When entering voucher or carnet, the customs officer can either use a pre declaration or enter it manually. The voucher is put under supervision until the operation ends.
- ▶ **End Operation** – implements the NTA destination office functionality, that is, registering the arrival of a consignment at the office of destination, inspecting the consignment, and notifying the office of departure of inspection results.

- ▶ **cTransit-router** – transfers messages between components of cTransit and CCN/CSI. Because all messages pass through the router, adding new interfaces is straightforward. The router can connect to CCN/CSI directly using a built-in CDE (Common Domain EDIFACT) converter or via ECN (EDI CCN/CSI Node).

- ▶ **cCodelist** – manages reference data received from EU Central Services and other information systems and provides a uniform interface for retrieving different classifiers and codelists. The data is stored in a way that preserves all modification history.

### Further information

Visit [www.customsengine.eu](http://www.customsengine.eu) for more information about CuE, [www.cybernetica.eu](http://www.cybernetica.eu) for more information about the company, or contact:

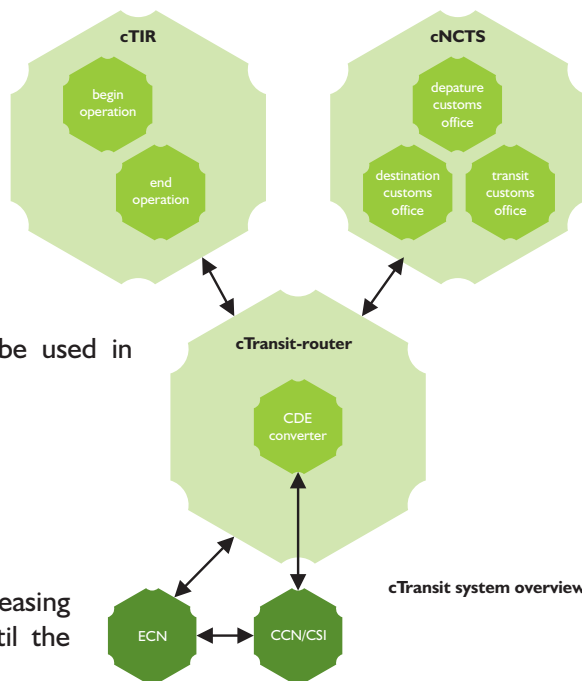
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### About Cybernetica AS

Cybernetica is a private research and development company, original equipment manufacturer and solutions provider active in the field of Information and Communication Technologies (ICT).

We offer a wide range of original communication, visual navigation, light signalling and telematics products as well as off-the-shelf and tailored hardware/software system solutions. Our services range from auditing of information systems to development, manufacturing, installation and maintenance of complex application specific secure distributed systems including integrated surveillance systems for border security applications, e-customs solution for Customs Authorities and comprehensive information systems for medical laboratories.