cTIR

Overview

cTIR is an New computerized Transit System (NCTS) module that implements the complete National Transit Application (NTA) functionality of TIR. Based on Cybernetica's Customs Engine (CuE) platform, cTIR is a Web-based Java Enterprise application that inherits all CuE's features.

- 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
- Reporting subsystem

cTIR can be easily integrated with other CuE modules (e.g. cSAD), to provide users with a single, integrated application view.

Main features of cICS

cTIR is the system for processing TIR vouchers. It contains functionality for entering, registering and supervision of the TIR operation. It also enables ending the TIR operation. Main features are as follows.

- **Opening TIR carnet** – the system automatically checks validity of the carnet.
- **Entering voucher data** – departure officer can enter or correct (in case of pre-declaration) carnet and voucher data. Destination officer can correct the data according to actual control results.
- **Analyzing risks** – cTIR can perform risk analysis using processing rules. If necessary, cTIR can easily be integrated with an external risk analysis system.
- **Managing work orders** – cTIR is capable of basic work order management and can be connected to a work order management system (e.g. to request customs officers to inspect the goods).
- **Customs control of the TIR operation** – sending and answering enquiries. Starting and ending customs control.
- **IRU interface** – sending SafeTir messages and receiving invalid carnet lists and pre-declarations.
- **Integration with ICS** – TIR voucher can be used as Summary Declaration.
- **Authorized consignee** – cTIR supports message exchange with authorized consignees and also contains user interface for entering arrival notification and unloading remarks.

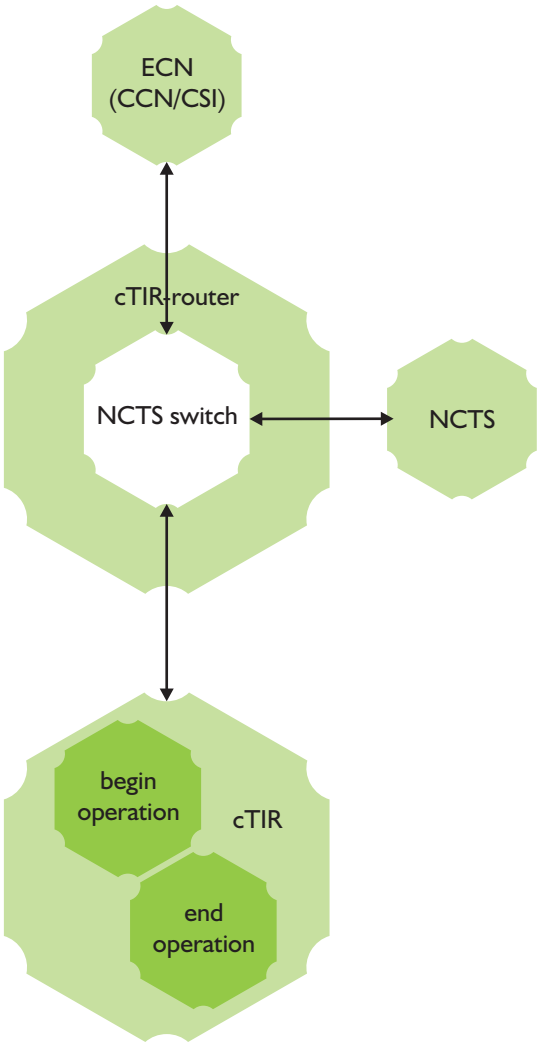
cTIR currently implements the processing of the following messages: IE001, IE002, IE003, IE006, IE007, IE008, IE010, IE015, IE018, IE020, IE024, IE027, IE038, IE043, IE044, IE058, IE059, IE063, IE104, IE105, IE106, IE111, IE112, IE411, IE901, IE904, IE905, IE906, IE907 and SafeTir.

System overview

cTIR system contains the following modules:

- **cTIR**
  - **begin operation** – implements NTA departure office functionality. When entering voucher or carnet the officer can either use pre-declaration or enter it manually. The voucher is put under control until operation ends.
  - **end operation** – implements NTA destination office functionality. The module recieves vouchers from CCN/CSI (in case of indirect operation via ECN module) or cTIR begin operation module (in case of direct operation via JMS). The cTIR end operation module provides destination customs officers with an interface for entering arrived quantities and control results.

- **cTIR-router** – transfers messages between other components of cTIR and also CCN/CSI (via EDI/CSI Node). Because all messages pass through the router, adding new interfaces (e.g. for connecting with CCN/CSI) is straightforward. The communication protocol assumes that TIR and NCTS are the same application. cTIR can be used along side existing NCTS system. The NCTS switch examines all incoming and outgoing traffic and routes incoming messages to appropriate destination (cTIR or existing NCTS system).



cTIR system overview

The cTIR module shares common functionality with the cSAD and cECS modules and more, such as interfaces to risk management and task management systems, the reporting system, and more.

Contact information

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