

**Kerry Express System**

**PDC API Service**

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**Issue / Amendment Record**

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**Reviewer Sign-off**

By signing this document, it implies all reviewers have fully reviewed and agreed with the content stated in this document.

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| **Position/Title (BU/Department)** | **Name** | **Signature** | **Date** |
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| 1.0.0 | 01/06/2017 | Chettapong Pinsuwan |  |  |  |

# Introduction

## Purpose

This document records the Function Specification is a document requirement for detailed descriptions and specifications of development POS Data Center (PDC). The goal is to use this document to the person involved in application development and system development.

## Goals and Objective

The objective of a new Kerry Express Management System is to support Express business. And it will be scalable to support the business growth.

## Scope

The new system will support both Domestic Express and International Express business products

The scope of Function Specification is as follows

* PDC status update
* CMS System status update
* Data transaction between PDC & CMS System

## Definitions

* Label : The label in screen layout and business flow
* Mapping DB : Mapping with database design
* Mandatory : Mandatory for data
* Validation : Is the process of evaluating a system or component during or at the end of the development process to determine whether it satisfies specified requirements
* Format : Format data

# Endpoints

The stable base URL for all Version 1 HTTPS endpoints is:

http://th.rnd.kerryexpress.com/PDC/Api/v1/

# PDC Result Code

|  |  |
| --- | --- |
| **Code** | **Description** |
| 6001 | Invalid request headers |
| 6101 | Invalid format for X-Auth-Key header |
| 6102 | Invalid Content-Type header, valid values are application/json,multipart/form-data |
| 7000 | No route for that URI |
| 9101 | Missing X-Token header |

# Authentication

## [POST] Authentication

POST auth

### Required parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Name** | **Parameter** | **Type** | **Mandatory (Y/N)** |
| **1** | **Username** | username | String | Y |
| **2** | **Password** | password | String | Y |

### Response parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Name** | **Parameter** | **Type** | **Mandatory (Y/N)** |
| **1** | **Json Web Token** | token | String | Y |

### Logic

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Form > To** | **Logic** | **Format** | **Period** |
| 1 | App > KES | Client Application need to retrieve token from server before any web service | JSON (Synchronize web service) | ANYTIME |

1. Client Side acquire token per EDI\_USER
2. Generate Token and save in the EDI\_USER.TOKEN
3. Return the Token as the result

### Sample Request & Output

### Request cURL (example)

curl -X POST "http://th.rnd.kerryexpress.com/PDC/Api/v1/auth" \

-H "Content-Type: application/json" \

--data '{"username":"test","password":"1234"}'

### Response

{

"success": true,

"errors": [],

"messages": [],

"result": {

"token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VybmFtZSI6InRlc3QifQ.FILrByQNl1Mx00RSZonmT3p5waGlFaymZJ3e3a5VBac",

}

}

# Customer Confirm

## [POST] Customer Confirm

POST customer/confirm

### Required parameters (Header)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Name** | **Parameter** | **Type** | **Mandatory (Y/N)** |
| **1** | **Json Web Token** | X-Token | String | Y |

### Required parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Name** | **Parameter** | **Type** | **Mandatory (Y/N)** |
| **1** | **Username** | username | String | Y |
| **2** | **Confirmation** | confirmation | bool | Y |

### Response parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Name** | **Parameter** | **Type** | **Mandatory (Y/N)** |
| 1 | Username | username | String | Y |

### Sample Request & Output

### Request cURL (example)

curl -X POST "http://th.rnd.kerryexpress.com/PDC/Api/v1/customer/confirm" \

-H "X-Token: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VybmFtZSI6InRlc3QifQ.FILrByQNl1Mx00RSZonmT3p5waGlFaymZJ3e3a5VBac

-H "Content-Type: application/json" \

--data '{"username":"test","confirmation":true}'

### Response

{

"success": true,

"errors": [],

"messages": [],

"result": {

"username": "test",

}

}