# ETRACS Terminal Service API Integration Guide

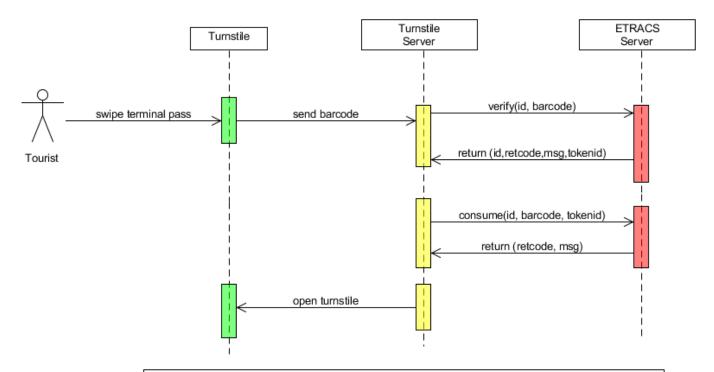
RAMESES SYSTEMS, INC ETRACS Terminal Service API Version 1.0

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## 1. INTRODUCTION

The objective of this document is to define the ETRACS Terminal Service API (Application Programming Interface) to a level that enables prospective 3<sup>rd</sup> parties to understand the service concept and the interface requirement.

# 2. Activity Diagram



#### FAILURE SCENARIOS

- 1. Turnstile not operational / Turnstile Server not available / ETRACS Server not available
- manually open turnstile, collect terminal pass and manually scan/update status on ETRACS Server
- 2. Trunstile Server and ETRACS Server connection failed after calling consume()
  - Turnstile server calls consume() again, checks and compare status on its local data, then open turnstile

## 3. API Functions

## 3.1. Verify

Facility to check and validates the terminal pass information.

TRANSACTION	Verify Terminal Pass			
METHOD	verify			
PROVIDER URL	to be supplied by RAMESES			
PARAMETERS				
PROPERTY NAME	DATATYPE	DEFINITION		
id	String	Turnstile ID		
		Required		
barcode	String	Barcode Data		
		Required		
RETURN VALUES (JSON format)				
retcode	String	Response Code		
		0 – SUCCESS		
		1 – General Error		
		2 – Barcode does not exist		
		3 – Invalid Barcode		
		4 – Barcode has already been used		
		10 – Turnstile ID does not exist		
		11 – Turnstile ID is currently deactivated		
message	String	Response Message		
tokenid	String	Token ID		

#### **Verify Sample Request:**

http://localhost:8070/.../AklanTerminalTicketService.verify?id=T001&barcode=1234567890

#### **Verify Sample Response (JSON format):**

{"retcode":0, "message": "Success", "tokenid": "10042430231"}

### 3.2. Consume

Facility to mark the terminal pass as consumed or used.

TRANSACTION	Consume Terminal Pass			
METHOD	consume			
PROVIDER URL	to be supplied by RAMESES			
PARAMETERS				
PROPERTY NAME	DATATYPE	DEFINITION		
id	String	Turnstile ID		
		Required		
barcode	String	Barcode Data		
		Required		
tokenid	String	Token ID		
		The tokenid you get from the verify method		
		Required		
RETURN VALUES (JSON format)				
retcode	String	Response Code		
		0 – SUCCESS		
		1 – General Error		
		2 – Barcode does not exist		
		3 – Invalid Barcode		
		4 – Barcode has already been used		
		5 – Invalid token id 10 – Turnstile ID does not exist		
		11 – Turnstile ID is currently deactivated		
message	String	Response Message		

#### **Consume Sample Request:**

http://localhost: 8070/.../Aklan Terminal Ticket Service.consume? id=T001& barcode=1234567890& token id=10042430321

#### **Consume Sample Response (JSON format):**

{"retcode":0,"message":"Success"}