



Product Specification

**Payment Systems & Data Security
Version 2009B**

About HTNG

Hotel Technology Next Generation ("HTNG") is a nonprofit organization with global scope, formed in 2002 to facilitate the development of next-generation, customer-centric technologies to better meet the needs of the global hotel community. HTNG's mission is to provide leadership that will facilitate the creation of one (or more) industry solution set(s) for the lodging industry that:

- Are modeled around the customer and allow for a rich definition and distribution of hotel products, beyond simply sleeping rooms;
- Comprise best-of-breed software components from existing vendors, and enable vendors to collaboratively produce world-class software products encompassing all major areas of technology spending: hotel operations, telecommunications, in-room entertainment, customer information systems, and electronic distribution;
- Properly exploit and leverage a base system architecture that provides integration and interoperability through messaging; and that provides security, redundancy, and high availability;
- Target the needs of hotel companies up to several hundred properties, that are too small to solve the issues themselves;
- Will reduce technology management cost and complexity while improving reliability and scalability; and
- Can be deployed globally, managed remotely, and outsourced to service providers where needed.

In June 2005, HTNG announced the first-ever "Branding and Certification Program" for hotel technology. This program will enable vendors to certify their products against open HTNG specifications, and to use the "HTNG Certified" logo in their advertising and collateral materials.

It will enable hotels to determine which vendors have completed certification of their products against which specific capabilities, and the environments in which performance is certified. HTNG's vision is to achieve a flexible technical environment that will allow multiple vendors' systems to interoperate and that will facilitate vendor alliances and the consolidation of applications, in order to provide hotels with easily managed, continually evolving, cost-effective solutions to meet their complete technology needs on a global basis.

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1 Introduction

This document defines the Hotel Technology Next Generation (“HTNG”) Product Specification for the Payment Systems & Data Security Specifications 2009B, Data Proxy Specification Version 1.0.

The following documents are referenced in this document:

1. HTNG Payment Systems & Data Security Specifications 2009B, Data Proxy Specification Version 1.0 – available at <http://www.htng.org/specs/published.htm>
2. PCI Data Security Standard – available at https://www.pcisecuritystandards.org/security_standards/pci_dss.shtml
3. HTNG Web Services Framework Version 2.1.1 – available at <http://www.htng.org/specs/published.htm>

2 Product Standard

2.1 Name

HTNG Payment Systems & Data Security

2.2 Label for "HTNG Certified" Certification Logo

HTNG Payment Systems & Data Security Specifications 2009B, Data Proxy Specification Version 1.0

When the "HTNG Certified" certification logo, along with this label, is used on, or in relation to, a product registered as conformant to this Product Specification, it must be accompanied by an attribution in the form defined in the HTNG Certification Program Trademark License Agreement.

2.3 Description

The Product Specification requires conformance to the following technical specification:

1. HTNG Payment Systems & Data Security Specifications 2009B, Data Proxy Specification Version 1.0
2. HTNG Web Services Framework Version 2.1.1

The above documents are available at <http://www.htng.org/specs/published.htm>

The Data Proxy Specification defines the messages that allow the storage of sensitive cardholder information to be moved from the PMS and other merchant systems to a secure data vault. The merchant systems exchange the actual payment card detail for a Data Proxy or Token.

The use of roles allows any existing system, such as a PMS, CRS, Profile Management System, etc., to implement whatever functionality it deems appropriate, while still conforming to this specification. Each such system need only evaluate which roles its functionality plays in relevant transactions, and needs only to implement the required interface transactions that are defined for those roles. Hence, for example, the specification does not set forth specific requirements for a Property Management System, but rather for the payment data roles performed by that system. A Property Management System that performs more business functions than another may, as a consequence, need to handle more payment data roles.

Any commercial system may play multiple roles, and if it does so, it must implement the required functionality of each role with respect to external messaging interfaces, but it may handle internal transactions among the roles in any manner of its choosing.

2.4 Conformance Requirements

Conformance to the Payment Systems & Data Security Specifications 2009B, Data Proxy Specification Version 1.0 is mandatory.

2.4.1 Payment Systems & Data Security Specifications 2009B

The Data Proxy Specification Version 1.0 defines the following roles:

- Business Logic System
- Electronic Payment Logic and Creation System (EPLACS)
- Proxy Vault
- Payment Processing System

2.5 Operational Environment

Not applicable.

2.6 Portability Environment

Not applicable.

2.7 Overriding Standards

None.

2.8 Indicators of Compliance

None.

2.9 Migration

The Payment Systems & Data Security Specifications 2009B is included in the certification program for the first time, so no migration issues will exist.