



HOTEL TECHNOLOGY – NEXT GENERATION

Product Specification

Property/Distribution Solution Version 2007A

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TABLE OF CONTENTS

PREFACE	1
1.0 INTRODUCTION	2
1.1 Purpose	2
1.2 References	2
2.0 PRODUCT STANDARD	3
2.1 Name	3
2.2 Product Specification Label	3
2.3 Description	3
2.4 Conformance Requirements	4
2.5 Operational Environment	5
2.6 Portability Environment	5
2.7 Overriding Standards	5
2.8 Indicators of Compliance	5
2.9 Migration	5

PREFACE

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.

1.0 INTRODUCTION

1.1 Purpose

This document defines the Hotel Technology Next Generation (“HTNG”) Product Specification for the Property/Distribution Solution.

1.2 References

The following documents are referenced in this document:

1. HTNG Property/Distribution Solution Usage Profile – Reservations Version 1.0.4 available at <http://www.htng.org/specs/published.htm>
2. HTNG Property/Distribution Solution Business Process – Reservations Version 1.0 available at <http://www.htng.org/specs/published.htm>
3. HTNG Property/Distribution Solution Usage Profile – Rates Version 1.0.2 available at <http://www.htng.org/specs/published.htm>
4. HTNG Property/Distribution Solution Business Process – Rates Version 1.0 available at <http://www.htng.org/specs/published.htm>
5. HTNG Property/Distribution Solution Usage Profile – Availability Version 1.0.3 available at <http://www.htng.org/specs/published.htm>
6. HTNG Property/Distribution Solution Business Process – Availability Version 1.0 available at <http://www.htng.org/specs/published.htm>
7. The OTA Specifications, published twice yearly and available at <http://www.opentravel.org/>

2.0 PRODUCT STANDARD

2.1 Name

Property/Distribution Solution

2.2 Product Specification Label

Property/Distribution Solution 2007a

2.3 Description

This Product Specification requires conformance to one or more of the following HTNG specifications:

1. HTNG Property/Distribution Solution Usage Profile – Reservations, version 1.0.4
2. HTNG Property/Distribution Solution Business Process – Reservations, version 1.0
3. HTNG Property/Distribution Solution Usage Profile – Rates, version 1.0.2
4. HTNG Property/Distribution Solution Business Process – Rates, version 1.0
5. HTNG Property/Distribution Solution Usage Profile – Availability, version 1.0.3
6. HTNG Property/Distribution Solution Business Process – Availability, version 1.0

The following roles have been identified for products conforming to this Product Specification:

- Reservation Broker
- Reservation Server
- Control System

The following table defines the mandatory functionality applicable to each role:

		Reservation Broker		Reservation Server		Control System	
		Receiving	Sending	Receiving	Sending	Receiving	Sending
Reservation Functionality	Update Reservations		Mandatory	Mandatory	Mandatory		
	Profile Matching						
	Share Handling						
	Handling of advanced deposits with notification						
Rates Functionality	Update Rates	Mandatory			Mandatory		
	Rate Category						
	Yieldable Indicators						

	Confidential Rates						
	Booking Restrictions						
	Rate Restrictions						
	Day of the Week Patterns						
	Total Pricing						
	Rate Policy						
	Group Rate						
Availability Functionality	Room Type Availability	Mandatory			Mandatory		
	Rate Availability	Mandatory			Mandatory		Mandatory
	Room/Rate Availability						
	Segment Availability						
	Segment Room Availability						
	House Availability						
	Hurdle Rate						

Functionality not marked as mandatory is optional.

The following communication types may be supported:

- SOAP/HTTP (Sync)
- SOAP/HTTP (Async)
- HTTP
- HTTPS
- File Drop
- TCP/IP Socket
- FTP

2.4 Conformance Requirements

A product may support any combination of Usage Profile and roles.

The conformance requirements for a product to achieve certification to this Product Specification are as follows:

1. Implementation of the mandatory features of the HTNG Property/Distribution Solution Usage Profile – Reservations, Version 1.0.4, appropriate to the roles supported.

2. Implementation of the behavior defined in the HTNG Property/Distribution Solution Business Process – Reservations, Version 1.0, appropriate to the roles supported.
3. Implementation of the mandatory features of the HTNG Property/Distribution Solution Usage Profile – Rates, Version 1.0.2, appropriate to the roles supported.
4. Implementation of the behavior defined in the HTNG Property/Distribution Solution Business Process – Rates, Version 1.0, appropriate to the roles supported.
5. Implementation of the mandatory features of the HTNG Property/Distribution Solution Usage Profile – Availability, Version 1.0.3, appropriate to the roles supported.
6. Implementation of the behavior defined in the HTNG Property/Distribution Solution Business Process – Availability, Version 1.0, appropriate to the roles supported.
7. Document the optional features supported.
8. Document any TPA extensions supported.
9. Document the communications types supported. At least one of the options must be supported.

2.5 **Operational Environment**

Not Applicable

2.6 **Portability Environment**

Not applicable

2.7 **Overriding Standards**

None

2.8 **Indicators of Compliance**

None.

There is no test suite defined for this Product Specification.

2.9 **Migration**

None.

There are no migration issues as this is the first version of the Product Specification.