



Product Specification

Property Web Services Version 2008B

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 Property Web Services.

The following documents are referenced in this document:

1. HTNG Property Web Services Specifications 2008B – available at <http://www.htng.org/specs/published.htm>
2. WS-I Basic Profile 1.0 – available at <http://www.ws-i.org>
3. WS-Security 1.0 Specification – available at <http://www.ws-i.org>

2 Product Standard

2.1 Name

Property Web Services

2.2 Label for "HTNG Certified" Certification Logo

Property Web Services 2008B

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

This Product Specification requires conformance to the following specification:

1. HTNG Property Web Services Specifications 2008B – Part 1: Web Services Framework Version 2. 1.1

In addition, the Product Specification optionally includes conformance to one or more of the following specifications:

2. HTNG Property Web Services Specifications 2008B – Part 2: Single Guest Itinerary Version 2.2
3. HTNG Property Web Services Specifications 2008B – Part 3: Digital Signage Version 1.0
4. HTNG Property Web Services Specifications 2008B – Part 4: Open Data Exchange Version 1.4.1
5. HTNG Property Web Services Specifications 2008B – Part 6: Guest Self Service Version 1.0.1
6. HTNG Property Web Services Specifications 2008B – Part 7: Food and Beverage Ordering Version 1.0

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

2.4 Conformance Requirements

Conformance to the Framework Version 2.1 specification is mandatory.

Conformance to the Single Guest Itinerary Version 1.0 and Digital Signage Version 1.0 specification is optional.

2.4.1 Web Services Framework Version 2.1.1

Conformance to the Web Services Framework Version 2.1 Specification may be demonstrated by documenting Web Services that are implemented using it. These may be either defined in other HTNG specifications or they may be proprietary services.

The following HTNG Web Services specifications may be referenced to demonstrate conformance:

1. HTNG Property Web Services Specifications 2008B - Part 2: Single Guest Itinerary Version 2.2
2. HTNG Property Web Services Specifications 2008B - Part 3: Digital Signage Version 1.0
3. HTNG Property Web Services Specifications 2008B - Part 4: Open Data Exchange Version 1.4.1
4. HTNG Property Web Services Specifications 2008B - Part 6: Guest Self Service Version 1.0.1
5. HTNG Property Web Services Specifications 2008B - Part 7: Food and Beverage Ordering Version 1.0
6. HTNG Property/Distribution Specifications 2008A - Part 1: Reservations Version 2.0
7. HTNG Property/Distribution Specifications 2008A - Part 2: Availability Version 2.0
8. HTNG Property/Distribution Specifications 2008A - Part 3: Statistics Version 2.0
9. HTNG Property/Distribution Specifications 2008A - Part 4: Groups Version 1.0
10. HTNG Property/Distribution Specifications 2008A - Part 5: Rates Version 1.0
<or>
HTNG Property/Distribution Usage Profile - Rates Version 1.0.3
Note: these 2 specifications are identical
11. HTNG Property/Distribution Usage Profile - Availability Version 1.0.2
12. HTNG Property/Distribution Usage Profile - Reservations Version 1.0.4

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

The HTNG specified Web Services and proprietary services must be identified and evidence of a successful implementation may be provided in one of three ways:

1. By identifying another implementation with which the product has successfully interoperated.
2. By providing a report of successful internal testing.
3. By providing other evidence of a successful implementation.

At least one Web Service must be cited. Details of proprietary systems cited must be provided.

For each Web Service supported, up to six possible supporting documents may be provided, three of which are mandatory. For HTNG specified services, a fourth document is mandatory – a reference to the HTNG specification.

The communication styles supported must be documented. At least one of the communications styles listed must be supported

2.4.2 Single Guest Itinerary Version 2.2

The Single Guest Itinerary specification defines roles:

- Activity Reservation System
- Accommodation Reservation System
- Posting System
- Folio System
- Customer Profile System
- Itinerary Consolidation System
- Itinerary Display System

Conformance to the Single Guest Itinerary specification requires the support of all the mandatory functions and messages appropriate to the roles supported. All optional functions and messages must be documented.

2.4.3 Digital Signage Version 1.0

The Digital Signage specification defines roles:

- Event Information Display Manager
- Event and Meeting Space Manager

Conformance to the Digital Signage specification requires the support of all the mandatory functions and messages appropriate to the roles supported. All optional functions and messages must be documented.

2.4.4 Open Data Exchange Version 1.4.1

The Open Data Exchange specification defines roles:

- File Producer
- File Consumer

Conformance to the Open Data Exchange specification requires the support of all the mandatory functions and messages appropriate to the roles supported. All optional functions and messages must be documented.

2.4.5 Guest Self Service Version 1.0.1

The Guest Self Service specification defines roles:

- Self Service Frontend
- Services Scheduling System

Conformance to the Guest Self Service specification requires the support of all the mandatory functions and messages appropriate to the roles supported. All optional functions and messages must be documented.

2.4.6 Food and Beverage Ordering Version 1.0

The Food and Beverage Ordering specification defines roles:

- Device (Kiosk, Touch Screen, In-Room TV, IP Phone, etc)
- Food and Beverage POS System

Conformance to the Food and Beverage Ordering specification requires the support of all the mandatory functions and messages appropriate to the roles supported. All optional functions and messages must be documented.

2.5 Operational Environment

Not applicable.

2.6 Portability Environment

Not applicable.

2.7 Overriding Standards

None.

2.8 Indicators of Compliance

2.8.1 *Web Services Framework Version 2.1.1*

Interoperability must be demonstrated by providing one of the following

1. The name of other companies with whom you have successfully interoperated
2. A test report from internal testing. These can be either a URL on your own website or as inline text in the [Supporting Document Table](#) below.
3. Other evidence of a successful implementation.

2.8.2 *Single Guest Itinerary Version 2.2*

None.

2.8.3 *Digital Signage Version 1.0*

None.

2.8.4 *Open Data Exchange Version 1.4.1*

None.

2.8.5 *Guest Self Service Version 1.0.1*

None.

2.8.6 *Food and Beverage Ordering Version 1.0*

None.

2.9 Migration

Web Services Framework Version 2.1.1 extends Version 2.1 by including additional guidance on version control and should not cause migration issues.

Single Guest Itinerary Version 2.2 extends the version included in the HTNG Property Web Services Product Specification Version 2008A and should not cause migration issues

Digital Signage Version 1.0 is unchanged from the version included in the HTNG Property Web Services Product Specification Version 2008A Issue 3.

Open Data Exchange Version 1.4.1 is included in the certification program for the first time.

Guest Self Service Version 1.0.1 is included in the certification program for the first time.

Food and Beverage Ordering Version 1.0 is included in the certification program for the first time.