UNITED
NATIONS

E

Economic and Social Council

Distr.
GENERAL

ECE/TRADE/C/CEFACT/2007/11*
16 March 2007

Original: ENGLISH

ECONOMIC COMMISSION FOR EUROPE

COMMITTEE ON TRADE

Centre for Trade Facilitation and Electronic Business

Thirteenth session
Geneva, 14–16 May 2007
Item 10 of the provisional agenda

ORGANIZATIONAL MATTERS

Small-Scale Lodging House Information Process

UN/CEFACT Business Standard
Prepared by the International Trade and Business Processes Group

Note by the Secretariat

Summary

This Business Requirements Specification (BRS) was approved by the International Trade and Business Processes Group (TBG) on 6 September 2006. The Forum Management Group (FMG) approved the BRS for intersessional approval process on 18 September 2006.

The full document can be downloaded from www.unece.org/cefact/brs/brs_index.htm.

This document is for approval by the Heads of Delegation in an intersessional process and for confirmation by the 13th UN/CEFACT Plenary meeting, to be held from 14 to 16 May 2007.

* Submitted on the above date due to resource limitations.

I. BUSINESS REQUIREMENTS SPECIFICATION

Business Domain: Travel, Tourism & Leisure Industry
Business Process: Small Scaled Lodging House Information Process
Document Identification:
Title: TT&L Small Scaled Lodging House Information Process
UN/CEFACT International Trade and Business Processes Group: TBG9
Document location : www.unece.org/cefact/brs/brs_index.htm

Version: 0.1, Release: R.06B

Document Change History Log

Date of change	Version	Paragraph changed	Summary of changes
31 July 2006	0.1 (Initial)		
06 Sep 2006	1.0		Final

A. Preamble

1. There are many hotels in the world that are primarily for leisure and are not currently included in the electronic exchange of information or electronically booked. This is due to the variety of services they offer which is not currently part of the functionality covered in electronic messages used by the major hotel chains. In Japan alone, there are more than 60,000 hotels of this type. In the past, this type of lodging was mostly used by the local people, but as word has spread of the services they offer, there is more of a demand for these hotels from people outside of Japan. The need to request the general information for these hotels and to book them electronically is growing rapidly. This document covers the first part of this need for the capability to exchange information electronically.

2. In order to distinguish the characteristics of this type of hotel, the name of lodging house is applied in this document. Thus this document pertains to hotels used mainly for leisure that may be located anywhere in the world and need to be supplied to the global markets. The reason for distinguishing between lodging houses and hotels is that the services of lodging houses which are usually offered to customers are greatly diversified compared to hotels.

3. The adjective of the lodging house, small-scale, comes from the fact that lodging houses are usually smaller in room capacity than hotels used primarily by business travellers. It is not intended to limit the scale of lodging houses only to small-scale ones as there are some lodging houses that are larger than traditional hotels. Their requirements are also accounted for in this document.

B. References

4. References:

(a) UN/CEFACT Modelling Methodology (CEFACT/TMG/N090R10, November 2001
(b) UN/CEFACT –ebXML Core Components Technical Specifications version 2.01 – ISO 1500-5
(c) UN/CEFACT Business Requirements Specification version 1.5 (CEFACT/ICG/005)
(d) Unified Modelling Language (UML version 1.4)
(e) UN/CEFACT CC Library version 1.0
(f) eb-XML TR-Naming Convention for Core Components version 1.04 (10 May 2001)

C. Objective

5. The objective of this document is to standardise the exchange of specific lodging house information between trading parties. The transactions to request the information from a buying party, like a travel agent or a consumer, and to respond to this from the supplying party or the lodging house are specified and the business information entities required for these transactions are detailed in this document.

6. The business documents are composed of Business Information Entities (BIEs), which when available, are taken from the library of reusable business information entities and when not found, are proposed as new BIEs. The contents of the business documents and the BIEs are presented using class diagrams.

D. Scope

7. This document (CEFACT/Forum/2006/TBG9) is used in the global travel, tourism and leisure (TT&L) industry and may also be used by any general consumer in the role of a buying party who does not have all the needed information for a specific lodging house. This information is general in nature and any customer whether he is a travel agent or a consumer can have access to this information. There also exists information which is primarily concerned with the products and sales policy and the information provided to a customer may vary depending on whether the requestor is a travel agent or consumer, etc. This latter information will be dealt with in future documents.

8. The class diagram of the lodging house information is developed in a manner that specifies the cross industry reusable business information entities and the TT&L reusable business information entities.

Table 1.

Categories	Description and Values
Business process	Lodging house information process in the supply chain of TT&L
Product Classification	Lodging house information
Industry Classification	Travel, tourism and leisure industry
Geopolitical	Global
Official Constraint	None
Business Process Role	Private and public information exchange
Supporting Role	None
System Capabilities	No limitations

9. The lodging house information process is used to exchange the lodging house information between the supplier and the customer (trading partner or consumer) for the supply of lodging house information ordered, delivered, received, consumed, etc.

10. To simplify understanding, the parties involved are limited to customer and supplier. In the total trade business, each of the parties can have more than one role. For the lodging house information process, the customer can act as the consumer, the buyer, or the travel agent. The supplier covers the roles of the seller, the sales agent or sales company, the lodging house operator and payee.

11. To ensure that the lodging house information process is in line with common practice used between trading parties, the following scenarios are used:

- The lodging house information request by a customer to a supplier
- The lodging house information response from the supplier to the customer

E. Business Requirements

(i) Business requirements views

12. The lodging house information in this document is general information on any specified lodging house and any customer, whether he is a travel agent or a consumer, may access it.

(ii) Business process elaboration – Use case diagram cope

13. This process details the request and response of the information for a specific lodging house. Any customer can request the information and get the response containing the information from the supplier if the requesting message is valid in syntax and context. Figure 1 details this concept.

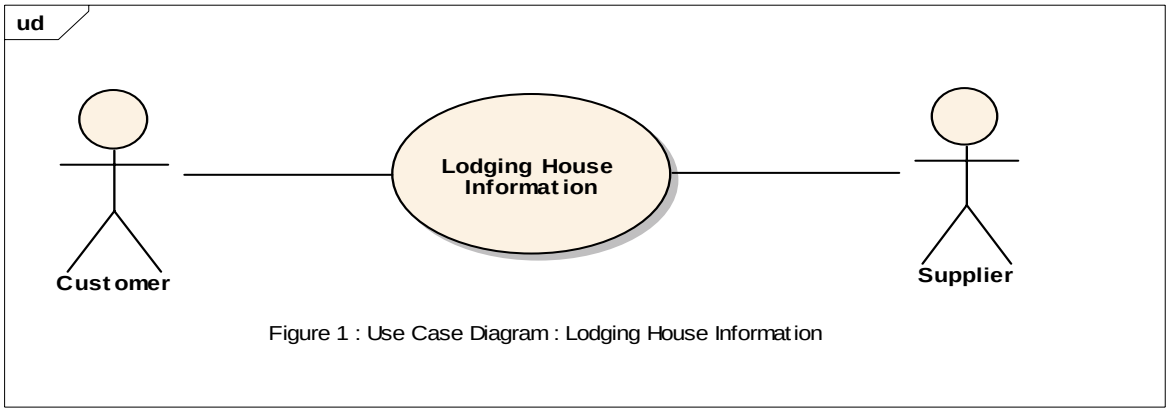
(a) Use case: Lodging House Information Exchange

14. The use case for the lodging house information request and response is shown in Figure 1.

Table 2. Use case description – Lodging House Information

Business process name	Lodging House Information Request and Response
Identifier	
Actors	Customer, Supplier
Description	The supplier presents to the customer, for lodging house information
Pre-condition	None
Post-conditions	None
Scenario	Lodging House Information Request and Response
Remarks	Any customer can request this information

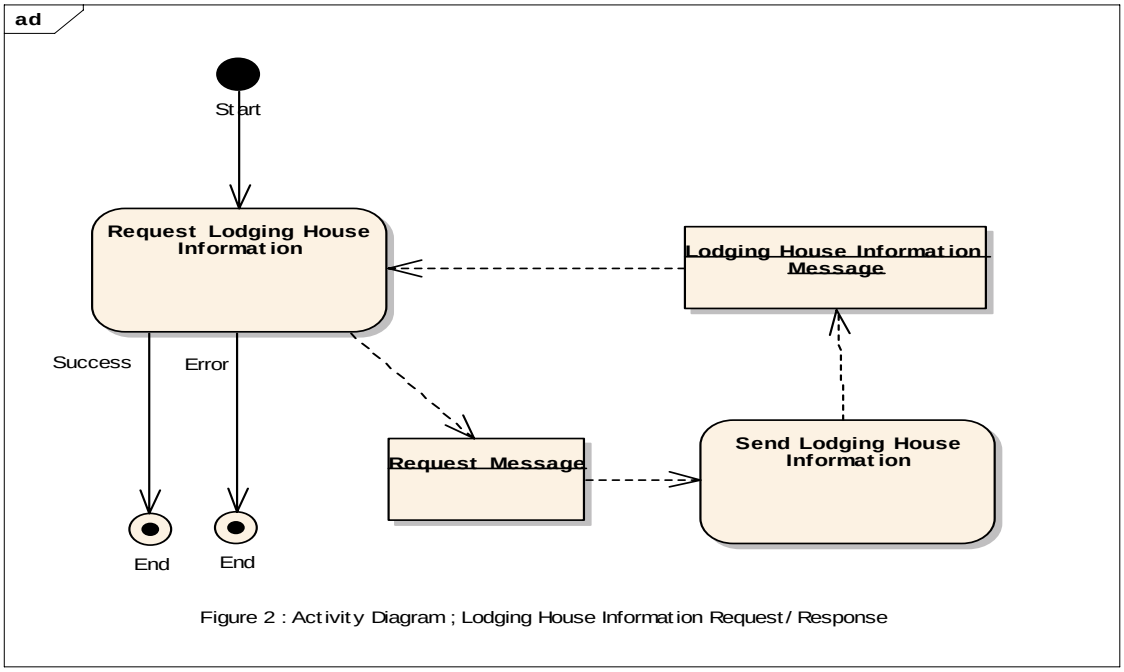
Figure 1. Use case diagram – Lodging house information



(iii) Information flow definition – Activity diagram

For the use case in chapter 5.2,. the corresponding activity diagram is presented in Figure 2.

Figure 2. Activity diagram description – Lodging house information process



15. Any customer can initiate the request for the lodging house information and can get the information once the requesting message is valid in syntax and context.

(iv) Information model definition – Class diagram

16. The class diagram of the lodging house information used in the lodging house information message in Figure 2 is shown below in Figure 3.

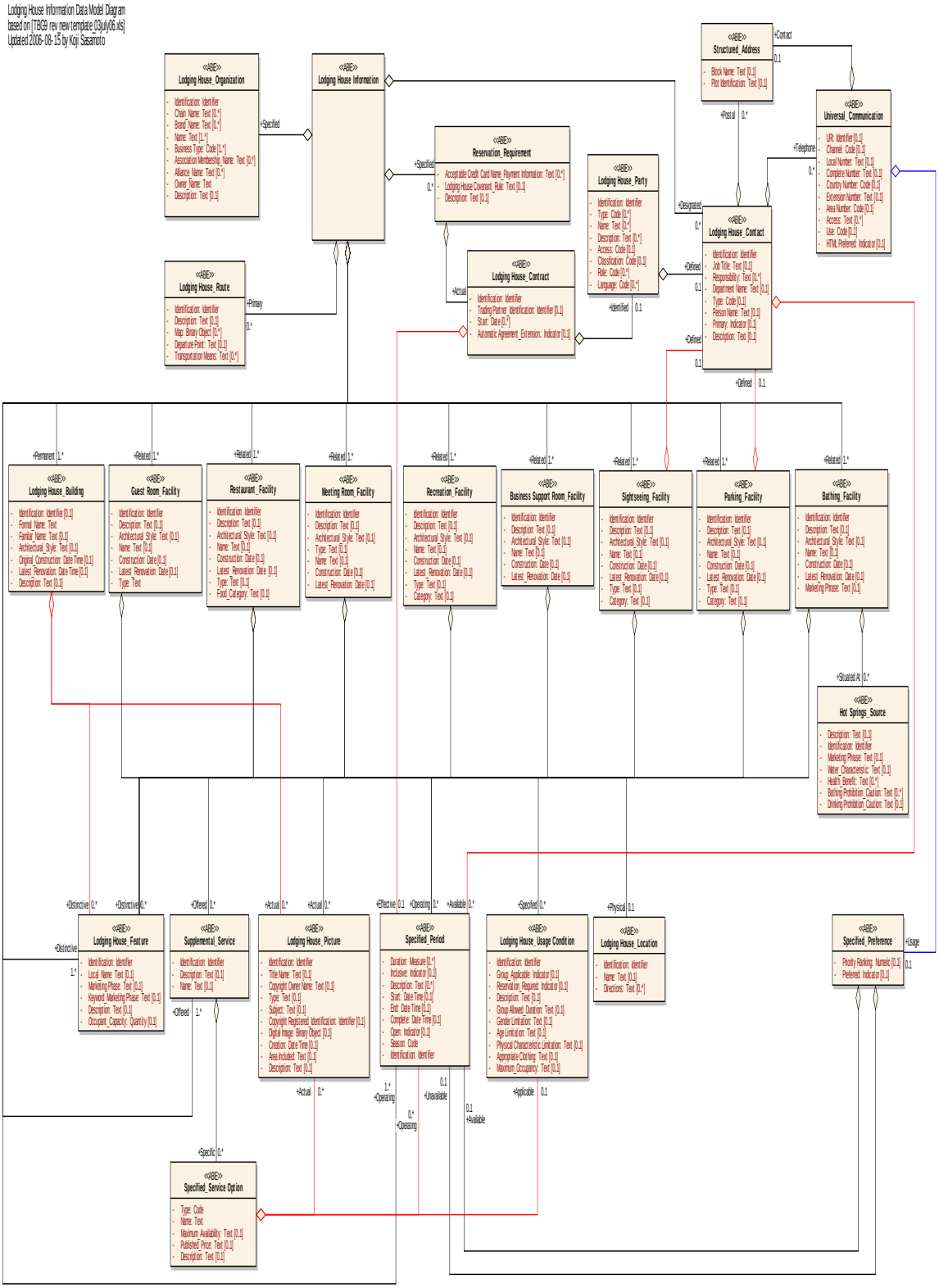


Figure 3 : Class Diagram ; Lodging House Infomation

(v) Business rules

17. There are no special business rules applied to the request and response of the lodging house information. Any customer, whether he is a travel agent or a consumer, can initiate a request and receive the information without any regulation by the business rules.

(vi) Definition of terms

18. The definition of terms are shown in Table 3.

Table 3. Definition of terms

Business Name	**Definition**
Lodging House Organization	Details about the Lodging House Information Request and Response
Identification	A unique identifier assigned for this lodging house organization.
Chain Name	A name of the chain, expressed as text, to which this lodging house organization belongs.
Brand Name	A brand name, expressed as text, for this lodging house organization.
Name	The name, expressed as text, of this lodging house organization.
Business Type	A code specifying the business type of this lodging house organization.
Association Membership Name	A name, expressed as text, of an association membership held by this lodging house organization, such as the Japan Ryokan Association or the Hotel Electronic Distribution Network Association.
Alliance Name	A name of an alliance, expressed as text, in which this lodging house organization participates, such as JTB Accredited Hotels and Ryokans Group, AAA Accredited Hotel Group, STAR ALLIANCE Member Hotel Group.
Owner Name	The name of the company or individual, expressed as text, who is the owner of this lodging house organization.
Description	The textual description of this lodging house organization.
Lodging House Building Details	Details about the permanent fixed structure lodging house building
Identification	A unique identifier for this lodging house building.
Formal Name	The formal name, expressed as text, of this lodging house building.
Familiar Name	The familiar name such as a nickname, expressed as text, of the lodging house building.
Architectural Style	The architectural style, expressed as text, of this lodging house building.
Original Construction Date	The date of the original construction of this lodging house building.

Latest Renovation Date	The date of the latest renovation of this lodging house building.
Description	The textual description of this lodging house building.
Actual Picture	An actual picture of this lodging house building.
Distinctive Feature	A feature that is a distinctive characteristic of this lodging house building.
Guest Room Facility Details	Details about a place that provides lodging for a guest.
Identification	The unique identifier for this guest room.
Description	The textual description of this guest room.
Architectural Style	The architectural style, expressed as text, of this guest room.
Name	The name, expressed as text, of this guest room.
Construction	The date of the construction of this guest room.
Renovation Date	The date of the latest renovation of this guest room.
Type	The type, expressed as text, of this guest room.
Location	The physical location of this guest room at this lodging house.
Usage Condition	A specified usage condition for this guest room at this lodging house.
Operating Specified Period	A specified period of operation for this guest room.
Actual Picture	An actual picture of this guest room at this lodging house.
Distinctive Feature	A feature that is a distinctive characteristic of this guest room at this lodging house.
Supplemental Service	A supplemental service that is offered for this guest room.
Bathing Facility Details	A space or structure for immersing the body in water, such as a swimming pool.
Identification	The unique identifier for this bathing facility
Description	The textual description of this bathing facility.
Architectural Style	The architectural style, expressed as text, of this bathing facility.
Name	The name, expressed as text, of this bathing facility.
Construction Date	The date of the construction of this bathing facility.
Latest Renovation Date	The date of the latest renovation of this bathing facility.
Marketing Phrase	The catch phrase, expressed as text, for marketing of this bathing facility.
Location	The physical location of this bathing facility at this lodging house.
Usage Condition	A specified usage condition for this bathing facility at this lodging house.
Operating Specified Period	A specified period of operation for this bathing facility.
Hot Springs Source	A hot springs natural source that is situated in this bathing facility..
Actual Picture	An actual picture of this bathing facility at this lodging house.
Distinctive Feature	A feature that is a distinctive characteristic of this bathing facility at this lodging house.
Supplemental Service	A supplemental service that is offered for this bathing facility.

Restaurant Facility Details	A place where people pay to sit and eat meals that are prepared and served on the premises.
Identification	The unique identifier for this restaurant.
Description	The textual description of this restaurant.
Architectural Style	The architectural style, expressed as text, of this restaurant.
Name	The name, expressed as text, of this restaurant.
Construction Date	The date of the construction of this restaurant.
Latest Renovation Date	The date of the latest renovation of this restaurant.
Type	The type, expressed as text, of this restaurant.
Food Category	The food category, expressed as text, for this restaurant.
Physical Location	The physical location of this restaurant at this lodging house.
Usage Condition	A specified usage condition for this restaurant at this lodging house.
Operating Specified Period	A specified period of operation for this restaurant.
Actual Picture	An actual picture of this restaurant at this lodging house.
Distinctive Feature	A feature that is a distinctive characteristic of this restaurant at this lodging house.
Supplemental Service	A supplemental service that is offered for this restaurant.
Meeting Room Facility Details	A room where people assemble for a purpose, especially for formal discussion.
Identification	The unique identifier for this meeting room.
Description	The textual description of this meeting room.
Architectural Style	The architectural style, expressed as text, of this meeting room.
Type	The type, expressed as text, of this meeting room.
Name	The name, expressed as text, of this meeting room.
Construction Date	The date of the construction of this meeting room.
Latest Renovation Date	The date of the latest renovation of this meeting room.
Physical Location	The physical location of this meeting room at this lodging house.
Usage Condition	A specified usage condition for this meeting room at this lodging house.
Operation Period	A specified period of operation for this meeting room.
Actual Picture	An actual picture of this meeting room at this lodging house.
Distinctive Feature	A feature that is a distinctive characteristic of this meeting room at this lodging house.
Supplemental Service	A supplemental service that is offered for this meeting room.
Business Support Room Facility Details	A room to support business activities, which may include office equipment and secretarial services.
Identification	The unique identifier for this business support room.
Description	The textual description of this business support room.
Architectural Style	The architectural style, expressed as text, of this business support room.
Name	The name, expressed as text, of this business support room.
Construction Date	The date of the construction of this business support room.

Latest Renovation Date	The date of the latest renovation of this business support room.
Physical Location	The physical location of this business support room at this lodging house.
Usage Condition	A specified usage condition this business support room at this lodging house.
Operation Period	A specified period of operation for this business support room.
Actual Picture	An actual picture of this business support room at this lodging house.
Distinctive Feature	A feature that is a distinctive characteristic of this business support room at this lodging house.
Supplemental Service	A supplemental service that is offered for this business support room.
Recreation Facility Details	A space or structure for sports or games.
Identification	The unique identifier for this recreation facility.
Description	The textual description of this recreation facility.
Architectural Style	The architectural style, expressed as text, of this recreation facility.
Name	The name, expressed as text, of this recreation facility.
Construction Date	The date of construction of this recreation facility.
Latest Renovation Date	The date of the latest renovation of this recreation facility.
Type	The type, expressed as text, of this recreation facility.
Category	The category, expressed as text, of this recreation facility.
Physical Location	The physical location of this recreation facility at this lodging house.
Usage Condition	A specified usage condition for this recreation facility at this lodging house.
Operating Period	A specified period of operation for this recreation facility.
Actual Picture	An actual picture of this recreation facility at this lodging house.
Distinctive Feature	A feature that is a distinctive characteristic of this recreation facility at this lodging house.
Offered Supplemental Service	A supplemental service that is offered for this recreation facility.
Sightseeing Facility Details	Place of interest in a particular location.
Identification	The unique identifier for this sightseeing facility.
Description	The textual description of this sightseeing facility.
Architectural Style	The architectural style, expressed as text, of this sightseeing facility.
Name	The name, expressed as text, of this sightseeing facility.
Construction Date	The date of the construction of this sightseeing facility.
Latest Renovation Date	The date of the latest renovation of this sightseeing facility.
Type	The type, expressed as text, of this sightseeing facility.
Category	The category, expressed as text, of this sightseeing facility.
Physical Location	The physical location of this sightseeing facility at this lodging house.

Usage Condition	A specified usage condition for this sightseeing facility at this lodging house.
Operating Period	A specified period of operation for this sightseeing facility.
Actual Picture	An actual picture of this sightseeing facility at this lodging house.
Distinctive Feature	A feature that is a distinctive characteristic of this sightseeing facility at this lodging house.
Offered Supplemental Service	A supplemental service that is offered for this sightseeing facility.
Contact	A defined contact for this sightseeing facility at this lodging house.
Parking Facility Details	A space or structure for parking vehicles.
Identification	The unique identifier for this parking facility.
Description	The textual description of this parking facility.
Architectural Style	The architectural style, expressed as text, of this parking facility.
Name	The name, expressed as text, of this parking facility.
Construction Date	The date of the construction of this parking facility.
Latest Renovation Date	The date of the latest renovation of this parking facility.
Type	The type, expressed as text, of this parking facility.
Category	The category, expressed as text, of this parking facility.
Physical Location	The physical location of this parking facility at this lodging house.
Usage Condition	A specified usage condition for this parking facility at this lodging house.
Operating Period	A specified period of operation for this parking facility.
Actual Picture	An actual picture of this parking facility at this lodging house.
Distinctive Feature	A feature that is a distinctive characteristic of this parking facility at this lodging house.
Offered Supplemental Service	A supplemental service that is offered for this parking facility.
Defined Contact	The defined contact for this parking facility at this lodging house.
Hot Springs Source Details	The place from which the hot spring originates.
Description	The textual description of this hot springs source.
Identifier	The unique identifier for this hot springs source.
Marketing Phrase	The catch phrase for marketing of this hot springs source.
Water Characteristic	The characteristic of the water, expressed as text, based on chemical analysis for this hot springs source.
Health Benefit	A health benefit, expressed as text, of this hot springs source.
Bathing Prohibition Caution	A health caution which would prohibit bathing in this hot springs natural source.
Drinking Prohibition Caution	The health caution which would prohibit drinking the water from this hot springs natural source.

Reservation Requirement Details	Actions or items that are required for making a booking.
Acceptable Credit Card Name	A credit card name, expressed as text, which is acceptable for payment for this reservation.
Covenant Rule	A lodging house covenant rule, expressed as text, that is a requirement for this reservation.
Description	The textual description of this reservation requirement.
Actual Contract	The actual contract for this lodging house for this reservation requirement.
Supplemental Service Details	An additional service that is offered.
Identification	The unique identifier for this supplemental service.
Description	The textual description of this supplemental service.
Name	The name, expressed as text, of this supplemental service
Specified Service Option	A specified service option specific to this supplemental service.
Lodging House Feature Details	Distinctive or characteristic parts of a lodging house.
Identification	The unique identifier for this lodging house feature.
Locale Name	The name of the locale, expressed as text, for this lodging house feature.
Marketing Phrase	A catch phrase, expressed as text, for marketing this lodging house feature.
Keyword Marketing Phrase	A keyword for a catch phrase, expressed as text, for marketing this lodging house feature.
Description	The textual description of this lodging house feature.
Occupant Capacity Quantity	The maximum number of occupants accommodated in this lodging house feature.
Specified Service Option Details	A specified service item that may be chosen.
Type	The code specifying the type of this specified service option.
Name	The name, expressed as text, of this specified service option.
Maximum Availability	The maximum availability, expressed as text, of this specified service option.
Published Price	The published price, expressed as text, for this specified service option.
Description	The textual description of this specified service option.
Usage Condition	A lodging house usage condition applicable to this specified service option.
Operating Period	A specified period of operation for this lodging house specified service option.
Actual Picture	A lodging house actual picture of this specified service option.
Lodging House Usage Condition Details	A usage condition for this lodging house.
Identification	The unique identifier for this lodging house usage condition.
Group Applicable	The indication of whether or not this lodging house usage condition applies to a group.

Reservation Required	The indication of whether or not this lodging house usage condition requires a reservation.
Description	The textual description of the lodging house usage condition.
Group Allowed Duration	The duration, expressed as text, allowed for a group, applicable to this lodging house usage condition.
Gender Limitation	The gender limitation, expressed as text, applicable to this lodging house usage condition.
Age Limitation	The age limitation, expressed as text, applicable to this lodging house usage condition.
Physical Characteristic Limitation	The physical characteristic limitation, expressed as text, applicable to this lodging house usage condition.
Appropriate Clothing	The appropriate clothing, expressed as text, applicable to this lodging house usage condition.
Maximum Occupancy	The maximum occupancy, expressed as text, applicable to the lodging house usage condition.
Lodging House Contract Details	An agreement, written or spoken and enforceable by law, between a lodging house and another party.
Identification	The unique identifier for this lodging house contract.
Trading Partner Identification	The unique identifier for the trading partner for this lodging house contract.
Start Date	The date on which this lodging house contract starts.
Automatic Extension Indicator	The indication of whether or not this lodging house contract can be or has been automatically extended.
Effective Period	The specified period for which this lodging house contract is effective.
Identified Party	The lodging house party identified in this lodging house contract.
Lodging House Location Details	The physical location or place of this lodging house.
Identification	The unique identifier for this lodging house location.
Name	The name, expressed as text, for this lodging house location.
Directions	A textual description of how to reach this lodging house location.
Lodging House Contact Details	A person or department that acts as a point of contact with another person or department for this lodging house.
Identification	The unique identifier for this lodging house contact.
Job Title	The job title, position or designation, expressed as text, of this contact person for this lodging house.
Responsibility	The responsibility, expressed as text, of this lodging house contact.
Department Name	The department name, expressed as text, to which this contact belongs within this lodging house.
Type	The code specifying the type of contact for this lodging house.
Person Name	The name, expressed as text, of this contact person for this lodging house.

Primary Indicator	The indication of whether or not this is the primary contact for this lodging house.
Description	The textual description of the contact for this lodging house.
Telephone Number	A universal telephone communication for this lodging house contact.
Address	A structured postal address for this lodging house contact.
Available Period	A period during which this lodging house contact is available.
Block Name	The block name, expressed as text, for an area surrounded by streets for this structured address.
Plot Identification	The identification, expressed as text, of the plot for this structured address.
Lodging House Route Details	Way of approach to a lodging house.
Identification	The unique identifier for the route to this lodging house.
Route Description	The textual description of the route to this lodging house.
Map	A binary object data of a map for this route to this lodging house.
Departure Point	The departure point, expressed as text, for this route to this lodging house.
Transport Means	A means of transport, expressed as text, used for this route to this lodging house.
Lodging House Picture Details	A digital image of a painting, drawing, or photograph for this lodging house.
Identification	The unique identifier for this lodging house picture.
Title Name	The title name, expressed as text, for this lodging house picture.
Copyright Owner	The name of the company or individual person, expressed as text, that owns the copyright for this lodging house picture.
Type	The type, expressed as text, for this lodging house picture.
Subject	The subject, expressed as text, for this lodging house picture.
Copyright Registered Identification	The unique identifier under which the copyright is registered for this lodging house picture.
Digital Image	The binary object data that is a digital image for this lodging house picture.
Creation Date Time	The date, time, date time, or other date value when this lodging house picture was created.
Area Included	The area or location, expressed as text, that is included for this lodging house picture.
Description	The textual description for this lodging house picture.
Universal Communication Details	The exchange of thoughts, messages, or information, as by speech, signals, writing, or behaviour between persons and/or organizations
Identification	The unique identifier of the Uniform Resource Identifier (URI) for this universal communication such as an email address.

Channel Code	The code specifying the channel or manner in which a universal communication can be made, such as telephone or email.
Local Number	The universal communication number, expressed as text and not including country access code or the area number code, for this communication.
Complete Number	The text string of characters that make up the complete number for this universal communication.
Country Number	The country access code for this universal communication number such as 44, 1, 353 etc.
Extension Number	The extension number, expressed as text, assigned to this universal communication number to enable a caller to reach a specific party.
Area Code	The code specifying the area number for this universal communication
Access	Access information, expressed as text, for the mode of universal communication such as 9 or *70 for a telephone network.
Use Code	The code specifying the use of this universal communication such as for business purposes or private.
HTML Preferred	The indication of whether or not HTML format is preferred by the recipient for email universal communications.
Structured Address	Contact structured address information for this universal communication.
Usage Specified Preference	The specified preference for the usage of this universal communication method.
Specified Preference Details	The specified precedence, advantage, or choice of one person or thing over another.
Priority Ranking	The number of the priority ranking of this specified preference.
Preferred Indicator	The indication of whether or not this specified preference is the preferred option.
Unavailable Period	The specified period when a specified preference is not available.
Available Period	The specified period when a specified preference is available.
Specified Period Details	A specified period of time.
Duration Measure	A measure of the length of time for this specified time period, such as hours, days, weeks, months, years.
Inclusive Indicator	The indication of whether or not the start and end dates are included in this specified period.
Description	A textual description of this specified period of time.
Start Date Time	The date, time, date time or other date time value for the start of this specified period of time.
End Date Time	The date, time, date time or other date time value for the end of this specified period of time.

Complete Date Time	The date, time, date time or other date time value for a complete specified period of time expressed as a specific month, a specific week, etc.
Open Indicator	The indication of whether or not an entity is open during this specified period.
Season Code	The code specifying the season for this specified period.
Identification	The unique identifier of this specified period.
Lodging House Party Details	An individual, a group, or a body having a role in the lodging house business.
Identification	The unique identifier for this lodging house party.
Type	A code specifying the type of this lodging house party.
Name	A name, expressed as text, for this lodging house party.
Description	A textual description of this lodging house party.
Access Rights Code	The code specifying this lodging house party's access rights.
Classification Code	The code specifying the classification of this lodging house party.
Role	The code specifying the role of this lodging house party.
Language	A code specifying a language for this lodging house party.
Contact	A defined contact for this lodging house party.

_____