

International Civil Aviation Organization Organisation de l'aviation civile internationale

Organización de Aviación Civil Internacional Международная организация гражданской авиации منظمة الطيران المدني الدولي

国际民用航空组织

Ref.: RT3/5 - AP169/14 (RSO)

15 December 2014

**Subject:** Invitation to the first meeting of Performance based Navigation Implementation Coordination Group (PBNICG/1) (Beijing, China, 10 - 12 March 2015)

Action required: Respond by <u>15 February 2015</u> for nomination and submit papers by <u>27 February 2015</u>

Sir/Madam,

I have the honor to invite your State/Administration to participate in the First Meeting of the Performance based Navigation Implementation Coordination Group Meeting (PBNICG/1) to be held in the ICAO APAC Regional Sub-Office (RSO), Beijing, China on 10 - 12 March 2015.

APANPIRG Decision 25/44 established PBNICG and adopted its Terms of Reference which is provided in **Attachment A** to this letter. The PBNICG has the primary aim to support, harmonize and prioritize implementation of PBN. The PBNICG will comprise multi-disciplinary experts with knowledge and/or responsibility for PBN implementation.

States/Administrations are requested to nominate relevant personnel with appropriate PBN expertise who have on-going responsibility related to PBN implementation either in en-route or terminal area airspace to participate in the meeting. Please note that, at PBNICG/1, States/Administrations will be requested to designate a group of State PBN Focal Point, between two and three people, to whom future coordination regarding PBN implementations will be made.

It is strongly recommended that States/Administrations submit papers to the ICAO APAC Regional Sub-Office <a href="majorage-rso@icao.int">apac-rso@icao.int</a> with copy to APAC Regional Office <a href="majorage-apac@icao.int">apac@icao.int</a> as soon as possible, but no later <a href="majorage-than 27 February 2015">than 27 February 2015</a>. ICAO is moving towards a "paperless" meeting environment by increasing the use of electronic media for the distribution of meeting papers and reports. Therefore delegates should obtain copies of meeting materials from the website of the Asia/Pacific Regional Sub-Office prior to the commencement of the meeting. Any associated meeting bulletins will also be posted on above website.

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Enclosed herewith are the Provisional Agenda of PBNICG/1, Registration Form and Visitor Bulletin/Hotel information provided in **Attachments B, C and D** respectively. I am requesting that you kindly complete the attached Registration Form and submit it to the ICAO APAC Regional Sub-Office with copy to APAC Regional Office by 15 February 2015

Accept, Sir/Madam, the assurances of my highest consideration.

Arun Mishra Régional Director

#### **Enclosures:**

Attachment A - PBNICG Terms of Reference

Attachment B - Provisional Agenda

Attachment C - Registration Form

Attachment D - Visitor Bulletin and Hotel Information

#### CNS SG/18 Appendix P to the Report

## Terms of Reference (TOR) APAC PBN Implementation Coordination Group (PBNICG)

- 1) Serve as the primary APAC Regional forum to support PBN implementation with a goal to enhance safety and efficiency of aircraft trajectories and operations. The forum also takes into account activities related to the implementation of relevant ASBU elements, with initial focus on B0-CDO, B0-FRTO, B0-CCO, and B0-APTA. The following are the main topics to be addressed:
  - Monitor PBN implementation of APAC States/Administrations and make recommendations as necessary in areas where ICAO APAC RSO can provide assistance.
  - Through ICAO APAC RSO, provide assistance and guidance to States to update their PBN implementation plans. Identify challenges within State PBN Implementation Plans and PBN implementation activities and assist States in addressing these challenges in a harmonized manner.
  - Taking a multi-disciplinary approach, promote more efficient flight operations and trajectories and, as necessary, addressing related topics including air traffic services (ATS) route network, airspace organization, flexible use of airspace, navigation specification harmonization, and performance and sharing of GNSS/surveillance/communication infrastructures and facilities.
  - Analyse regional indicators associated with Seamless plan items, make recommendations for updating the Seamless Plan, and keep the relevant ANRFs updated.
  - Analyse and report operational benefits of PBN implementations and provide regular PBN implementation updates to ICAO APAC for inclusion in the regional performance dashboard.
- Identify issues/action items which are related to the implementation of PBN and related ASBU elements, and where appropriate, communicate with relevant ICAO panels or working/study groups.
- 3) Coordinate and consult with COSCAPs, FPPs, international organizations, industry partners and volunteering administrations which provide support to PBN implementation.
- 4) Review regional priorities/targets and relevant regional plans as related to PBN implementation and provide recommendations to APANPIRG.

#### **Composition**

The PBNICG will compose of multi-disciplinary experts nominated by ICAO member States/Administrations in the Asia and Pacific Regions and International Organizations. Secretariat support for the PBN ICG will be provided by the ICAO APAC RSO with assistance from APAC RO.

#### CNS SG/18 Appendix P to the Report

#### Reporting

The PBNICG will report to the APANPIRG and will also provide briefing to the ATM and CNS Subgroup as necessary

Note: The PBNICG, while undertaking the tasks, should take into account of the work being undertaken by relevant ICAO Panels and other study/working groups.

#### APAC PBN Task Force TOR - Now Defunct

- a) Continue the refinement and ongoing review of the Asia Pacific Regional PBN implementation plan and monitor and report on its application in the region.
- b) Carry out specific studies, develop guidance material and facilities training to assist States with RNAV/RNP implementation in the en-route, terminal, and approach flight phases, taking into account the performance based navigation (PBN) concept, according to the ICAO Strategic Objectives and Global Plan Initiatives (GPI) on this matter (GPI 5, 7, 10, 11, 12, 20, 21)
- c) Assist States in the preparation and review of their PBN implementation documentation and provide feedback to ensure regional harmonization and for possible inclusion in ICAO-developed model documentation.
- d) Develop and review material needed to meet the ICAO initiative on the introduction of APV approaches including Baro-VNAV and RNP-AR as part of the PBN initiative.
- e) Monitor the progress of State PBN implementation, identify constraints to implementation and capture information on the effectiveness (tangible benefits) of State PBN applications.
- f) Continue the review of the PBN Manual and its practical application in the implementation of PBN in the region.
- g) Develop, in coordination with RASMAG, the necessary airspace safety and monitoring requirements for the introduction and continued application of PBN based procedures.
- h) Review activities of PBN Task Force from other regions including their action plans for PBN implementation to ensure harmonization and avoid duplication of work.
- Address other regional PBN implementation issues, including the development of staff resources and skills, as needed by safety management. Coordinate and consult with ICAO RSO, COSCAP, industry partners and volunteering administrations who are providing support to State PBN implementation.

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#### INTERNATIONAL CIVIL AVIATION ORGANIZATION

# THE FIRST MEETING OF PERFORMANCE BASED NAVIGATION IMPLEMENTATION COORDINATION GROUP (PBNICG/1)

(*Beijing, China, 10 – 12 March 2015*)

#### PROVISIONAL AGENGA

Agenda Item 1: Adoption of Agenda Agenda Item 2: Review of the Terms of Reference and election of PBNICG Chairperson Agenda Item 3: Global and Regional PBN Updates Agenda Item 4: Review of related global/regional plans, priorities and targets and relevant meetings outcomes Agenda Item 5: Implementations of PBN in Terminal Area Agenda Item 6: Implementations of PBN in Domestic En-route Airspace Agenda Item 7: Regional and Sub-regional Implementations of PBN in En-route Airspace Agenda Item 8: Issues and challenges regarding PBN implementations Agenda Item 9: Working Arrangements for PBN Region-wide implementations Agenda Item 10: Any Other Business

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## INTERNATIONAL CIVIL AVIATION ORGANIZATION

## THE FIRST MEETING OF PERFORMANCE BASED NAVIGATION IMPLEMENTATION COORDINATION GROUP (PBNICG/1)

(Beijing, China, 10 – 12 March 2015)

## NOMINATION/REGISTRATION FORM

State/Organization				
Name (As should appear in the official listing and	Title	Family Name	First Name	Middle Initial
name tag				
Official Position				
Mailing Address				
Telephone Number (Office)				
Fax Number				
E-mail				
Hotel				
<b>Note:</b> Participants are	requeste	d to make their own vis	a/travel/hotel arrangement.	
Data			Ci am atuma	
Date			Signature	

After completing, please send to: ICAO APAC Regional Sub-Office, Beijing, China, at Fax:+86 (10) 6455-7164 or by E-mail: <a href="mailto:apac-rso@icao.int">apac-rso@icao.int</a> cc: <a href="mailto:apac-willow) apac-rso@icao.int">apac-rso@icao.int</a> cc: <a href="mailto:apac-willow) apac-willow) apac-willow) apac-willow apac-will



## **International Civil Aviation Organization**

Asia and Pacific Regional Sub-Office Beijing, China

#### **INFORMATION BULLETIN FOR VISITORS**

## **Location of the ICAO Regional Sub-Office (RSO)**

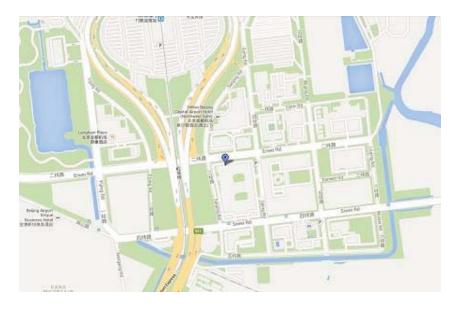
The ICAO Asia and Pacific Regional Sub-Office (RSO) is located on the 1<sup>st</sup> Floor, C Section, China Service Mansion, No. 9 Erwei Road, Shunyi District, Beijing, China 100621

北京顺义区首都机场二纬路9号 中国服务大厦一层 **C**座

邮编:100621

Telephone: +86 (10) 64557169







#### Passport, visa and customs

All foreign nationals entering China must possess valid passports. Participants from certain countries are not required to obtain visas for a temporary visit. It is suggested that all participants consider obtaining official visas from the Chinese Embassy or Consulate prior to their arrival in China.

The following items can be brought in duty free:

- Personal effects such as clothing etc.
- 400 cigarettes;
- 2 bottles of alcoholic beverages; and Perfume for personal use

There are no restrictions on the import of foreign currency. However, when leaving China, you are not allowed to take money, which exceeds the amounts you declared when entering. (Current exchange rate US\$1 = 6.1 Chinese Yuan approx.)

#### **Hotel information**

Up-to-date hotel information near the RSO can be founded at <a href="http://www.fpp-icao.org/cn/Venue/index.asp?Basic Class ID=53">http://www.fpp-icao.org/cn/Venue/index.asp?Basic Class ID=53</a>

#### **Useful Information**

International credit cards such as Visa, American Express etc. are normally accepted at the recommended hotel.

Time in Beijing is 8 hours ahead of Coordinated Universal Time (UTC +8).

All commercial banks, such as the Bank of China, exchange foreign currencies such as Euro, US Dollar and are open from 09:00 to 16:00 hours from Monday to Saturday. All major hotels also have foreign exchange counters. To change travellers' cheques, customers are requested to show their passport. Bank at Airports also provided the currency exchange service.

#### Facilities near the RSO

#### The Capital International Airport Pharmacy

Address: 5, Yan Xiang Dong Li, The Capital International Airport, Chao Yang, Beijing (北京市朝阳区首都国际机场燕翔东里 5号)Tel: (+86) 10 6456 4134

#### Beijing Tianzhu Golf& Country Club

Address: 14, Lou Tai Duan, Li Tian Road, Shun Yi, Beijing (北京市顺义区李天路楼台段14号) Tel: (+86) 10 64565226

#### Jing Ke Long Supermarket

Address: Ji Chang South Road, Capital International Airport, Beijing, China (北京市朝阳区首都机场机场南路) Tel: (+86) 10 6468 8233

#### **Tourist Destinations**

# 798 Art District < **798** 艺 术 区 > 17 km (20 minutes)

This former factory complex has been transformed into a thriving artistic and cultural community. Located in the Dashanzi area northeast of central Beijing, the industrial-looking estate is a creative hub with a range of galleries, exhibitions, artist studios, design companies and restaurants.

# National Stadium (Bird's Nest) < 国家体育馆(鸟巢)>28 km (35 minutes)

During the 2008 Olympic Games the National Stadium became an iconic image, showcasing the excellence of Chinese architecture. The design reflects traditional Chinese elements (the red glow symbolises luck) and incorporates modern elements (the structure evokes the energetic spirit of athletes). Sports buffs will also want to visit the nearby National Aquatics Centre (dubbed the 'Water Cube') and the National Indoor Stadium.

Hutongs < 胡同(南锣鼓巷)>30 km (40 minutes)

Step into the past and stroll down these tight alleys and narrow streets. A hutong is a simple alleyway, usually running East-West, built around a major building. Full of character and slice-of-life charm, you'll need your compass to navigate your way out of the labyrinth.

# Forbidden City & Tian'anmen Square <紫 禁 城 与 天 安 门 广 场 > 32 km (45 minutes)

Put these at the top of your to-do list.

In the heart of Beijing, Tian'anmen Square is a huge open space bordered by grand, imposing government buildings, including Memorial Hall of Chairman Mao and the National Museum of China. Open daily, you can get there via Subway Line 1 and disembark at Tiananmen East or Tiananmen West Station.

Just north of Tian'anmen Tower, the Forbidden City deserves at least one full afternoon. Once the imperial palace of the Ming and Qing dynasties, for over 500 years this magnificent palace was home to 24 emperors. Now fully restored to its former glory, this tourist Mecca inspires awe with its architectural beauty and imposing size. The largest and most well-preserved imperial residence in China today, in 1987 the United Nations Educational, Scientific and Cultural Organisation recognised the Forbidden City as a world cultural legacy.

# Temple of Heaven < 天 坛 > 33 km (45 minutes)

Located in the southeast of Beijing, the Temple of Heaven was the place where royalty came to pray. Built in 1420 during the Ming Dynasty, UNESCO has listed the Temple as one of the World Cultural Relics.

## Summer Palace < 颐和园> 43 km (60 minutes)

Epic in scale and ingenious in its design, construction of the Summer Palace began in 1750 under Emperor Qianlong. An awe-inspiring masterpiece of Chinese landscape design, it remains one of China's largest and best-preserved imperial gardens. Spread out over 294 hectares (726 acres), it blends the natural landscape of the hills with man-made features and residences. Located 15 km from central Beijing.

## Great Wall at Mutianyu < 慕田峪长城> 46 km (60 minutes)

Not for nothing is this listed as one of the Wonders of the World. Spanning almost 9,000 km, this spectacular engineering marvel inspires awe and wonder. For visitors to Beijing, the closest point along the Great Wall is at Mutianyu, about 50 km northeast of Langham Place, Beijing Capital Airport. Winding through lofty mountains and high ridges, this stretch of the Great Wall is dotted with watch towers.

## Transportation from the ICAO Beijing Regional Sub-Office (China Service Mansion) to Town/ Tourist Attractions

#### Subways and Light Railways:

Please take Airport Express from Terminal 3 to SANYUANQIAO Station (Transfer Line10 and get off BEITUCHENG Station, then Transfer Line8 and get off Olympic Sports Centre Station) for National Stadium/Bird's Nest.

Or until to DONG ZHI MEN station (Transfer Line2, then Transfer Line1 and get off WANGFUJING Station or TIAN'ANMEN WEST/ EAST Station) for

- Hutongs (Take subway Line2 and get off at GULOUDAJIE Station)
- Forbidden City & Tian'anmen Square
- Temple of Heaven (Take subway Line2 and get off at CHONGWENMEN Station, then take a taxi for 10 yuan)
- Summer Palace (Take subway Line2 and get off XIZHIMEN Station, then take a taxi for about 40 yuan)

#### Taxi:

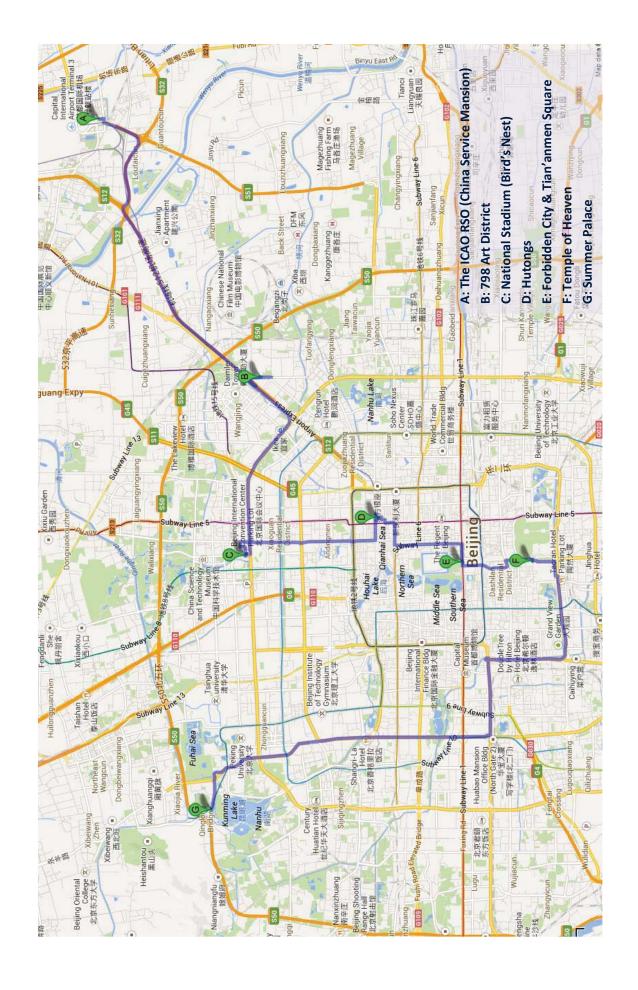
Taxis are a great and inexpensive way to get about town. Taxi "flag-falls" begin at 13 Yuan during the day for the first 3 km and 14.40 Yuan from 11 p.m. until 5 a.m. The cost of a ride is 2.30 Yuan per kilometre after the first 3 km, 3.45 Yuan after 15 kilometres. There is also a flat 1 Yuan fuel surcharge for each ride. Highway Tolls are charged to the passenger. Receipts are available on demand. Booking Taxi: Please call 96103 or 96106. (Additional service fee of 5 Yuan)

Transportation Web sites and numbers for information: Beijing Transport Information: http://www.1039.com.cn

Beijing maps: <a href="http://www.go2map.com">http://www.go2map.com</a>

Beijing bus information: http://www.bjbus.com

Beijing bus hotline centre: 96166 Booking Taxi: 96103, 96106



# **Hotel Reservation Instruction**

Hotel General Information	Service	Transportation	Location	Price
<b>1-Name:</b> Hilton Beijing Capital Airport ★★★★	Complimentary buffet breakfast up to one person.	➤ Hilton Beijing Capital Airport offers	, , , –	(Approx150USD) inclusive 1 buffet
Address: Terminal 3, 1 SanJing Road, Capital International Airport, Beijing, China	Complimentary local Chinese or English newspaper.	transportation to/from the airport <i>Free</i> of charge.	minutes from the City Centre by Express Train or 30 minutes by car.	Dreaklast (Ming or Twin bed)  RMB1368 net (Approx225USD) inclusive 1 buffet breakfast (King or
<b>酒店地址:</b> 北京首都机场希尔顿酒店 北京首都机场三号航站楼 (四经路与三经路交汇处)	making racinues.  Personal in-room safe deposit box.		minutes by car to famous historical sites, including Tian'anmen Souare and the	Twin bed) Benefits: free access to Executive Lounge
<b>Tel:</b> (+86) 10 400-699-8818			Forbidden City	
Fax: (+86) 10 6458-8889  Website: http://www3.hilton.com/en/hotel s/china/hilton-beijing-capital-				
airport-BJSCAHI/index.html For reservation under special rate, please email Adam Liu (Adam.Liu@Hilton.com) with group code RSO001				

Hotel General Information	Service	Transportation	Location	Price
<b>2-Name:</b> Langham Place Beijing Capital Airport★★★★	Complimentary buffet breakfast up to 2 persons per room per night.	V Offers transportation to/from the airport Free of charge.	Around 15-minute walk from langham to ICAO-RSO	➤ RMB600 net (Approx97USD) inclusive 1 buffet breakfast
Address:  No. 1 Er Jing Road Terminal 3,  Capital International Airport.	Complimentary local Chinese or English newspaper.	Free shuttle bus between hotel and RSO one round	One minute from Terminal 3 at Beijing Capital	Approx114USD) inclusive 2 buffet
Beijing, China		trip per day.	International Airport by	breakfast for Essential Place (King or Twin bed)
<b>酒后地址:</b> 北京首都机场朗豪酒店 北京首都国际机场三号航站楼二 经路1号	making facilities.  Personal in-room safe deposit box.		complimentary shuttle bus which also runs between the hotel and Terminals 1 and 2.	Approx129USD) upgrade to club Place and enjoy all Club
Tel: (+86) 10 6457 5555 (+86) 10 400 133 8338  Fax: (+86) 10 6457 5555	broadband internet and WIFI access.  Free computer usage in Business Center.  Free laundry 1 piece per day		from the City Centre by Express Train or 30 minutes by car. Around 45 minutes	benefits.
Website: http://beijingairport.langhampla cehotels.com/			historical sites, including Tian'anmen Square and the Forbidden	
For reservation under special rate, please email Amy Ding (amy.ding@langhamhotels.com) with group code RSO002.			City	

Hotel General Information	Service	Transportation	Location	Price
3-Name: Crown Plaza Sun Palace Beijing ★★★★	Complimentary buffet breakfast up to 1 persons per room	Airport shuttle bus between hotel and terminals 1/2/3 is	Crown Plaza to ICAO-RSO by car or Express Train	Approx139USD) inclusive one buffet breakfast (King or
Address: Yunnan Dasha, North-East Corner of Taiyanggong Bridge, Xibahe, North-East 3rd Ring Road, Chaoyang District, Beijing	per mght.  Complimentary usage of our Fitness Centre.  In-room Coffee/tea making facilities.	charged for RMB18 one way ticket. Around 50 minutes by airport shuttle bus from	Only 30 minute drive from the Beijing Capital International Airport.	Twin bed)  RMB1000 net (Approx163USD) inclusive one buffet breakfast (Deluxe
100028, P. R. China <b>酒店地址:</b> 十古辫	deposit box.  Complimentary local Chinese or English newspaper.	hotel to RSO.  Around 45 minutes from the City Centre by Airport	Around 20 minutes by taxi to famous historical sites, including	room)  RMB1250 net (Approx205USD)  upgrade to Club
ルぶ剃ム陶玉心版口伯冶 中国北京朝阳区东北三环, 西坝河,太阳宫桥东北角 云南大厦 邮編:100028	- / /	Express to RSO.	Tian'anmen Square and the Forbidden City	Lounge and enjoy all Club Lounge benefits.
<b>Tel:</b> (+86) 10 6429 8888 <b>Fax:</b> (+86) 10 6452 1898				
Website: http://www.ichotelsgroup.com/h/dcp/1/en/hotel/pegsp For reservation under special rate, please email Lianna Zhang (lianna.zhang@cpsunpalace.cn) with group code RSO003.				

Hotel General Information	Service	Transportation	Location	Price
4-Name: JingLin Hotel★★★	➤ Complimentary local Chinese or English newspaper	V Offers transportation to/from the airnort	Located in the airport residential area where you can	RMB360 net (Approx59USD) inclusive 2 buffet
Address: Second-No. 1 Nanping Dongli Capital International Airport,	In-room Coffee/tea making facilities.	Free of charge.  Free shuttle bus between hotel and	find super market and restaurants and mails easily.	breakfast (King or Twin bed)
Beijing, China 運亡地上	broadband internet.	RSO one round trip per day.	About 10-minute drive to the ICAO-	
<b>增加地址:</b> 首都机场南平东里乙 1 号			V Only 25 minutes from the City	
<b>Tel:</b> (+86) 10 64572626			Centre by Airport Express or a 30-minute drive.	
Fax: (+86) 10 64583723				
Reservation Contact:				
Website: http://www.gzdhwf.cn/home/283 38/				
For reservation under special rate, please email Yi( liushuyi188@163.com) with group code RSO004.				

Hotel General Information	Service	Transportation	Location	Price
5-Name: Beijing Ping An Jing Yi Hotel ★★	Chinese newspaper.  Personal in-room safe	Airport shuttle bus between hotel and terminals 1/2/3 is	Beijing downtown which is full of	RMB228net (Approx37USD) exclusive breakfast (King or Twin bed)
Address: No.34 North Guangximen, Chaoyang District, Beijing	deposit box.  Complimentary broadband internet.	RMB18 one way ticket. Around 50 minutes by airport shuttle bus from	traditional restaurants plus cinemas and shopping malls.	Breakfast is served with RMB10 net surcharge.
<b>酒店地址:</b> 北京市朝阳区光熙门北里 34 号 平安京忆栈酒店		hotel to RSO.  Around 45 minutes from the City Centre by Airport		
<b>Tel:</b> (+86) 10 64228181		Express to RSO.		
<b>Fax:</b> (+86) 10 64229090				
Reservation Contact:				
Website: http://en.pinganjing.com				
For reservation under special rate, please email Fan (15980028422@163.com) with group code RSO005.				

Hotel General Information	Service	Transportation	Location	Price
6-Name: Beijing Golden Phoenix Hotel ★★★	<ul> <li>Complimentary</li> <li>broadband internet</li> <li>Offers fitness</li> <li>facilities for free</li> </ul>	➤ Offers transportation to/from the airport Free of charge.	About 15-minute drive to the ICAO-RSO About 10-minute	RMB360 net (Approx59USD) inclusive 1 buffet breakfast for King bed
Address: No.27 Litian Road, Shunyi District,Beijing		Free shuttle bus between hotel and RSO one round		or 2 buffet breakfasts for Twin bed
酒店地址:		uip per day.		
北京首都机场国门商务区李天路 27号(近樱花园六区)				
<b>Tel:</b> (+86) 10 81463366-8601				
Fax: (+86) 10 81465311				
Reservation Contact:				
Website: <a href="http://hotel.xphay.com/7233/rooms">http://hotel.xphay.com/7233/rooms</a>				
For reservation under special rate, please email Jun( gaoshaojun@foxmail.com) with group code RSO006.				