

JAISA Project Beijing

Schedule: 2009.03.05~03.07

2009.03.05 Narita ⇒Beijing

2008.03.05 16:00-18:00 Meeting with GS1 China

2008.03.06 09:00-12:00 Meeting with AIM China and GS1 China

2008.03.06 10:00-17:00 Meeting with SMART and DICH

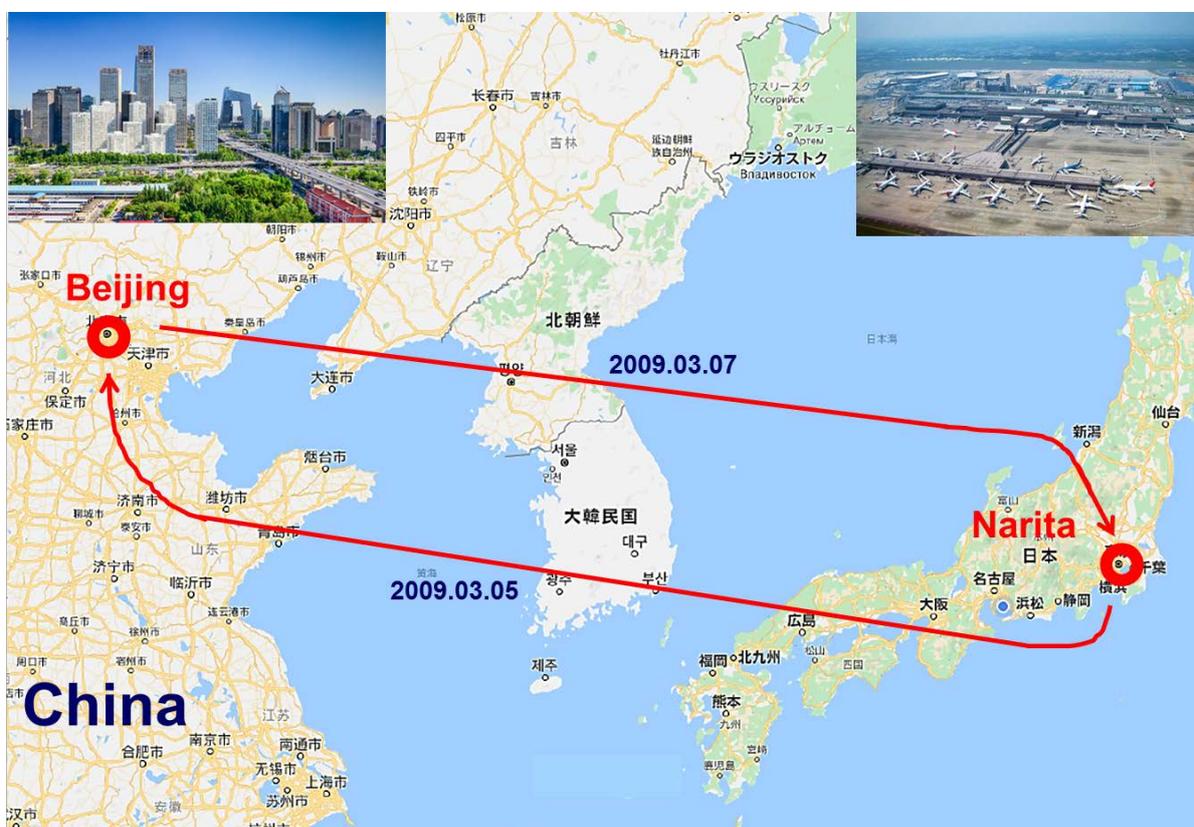
2009.03.07 Beijing ⇒Narita

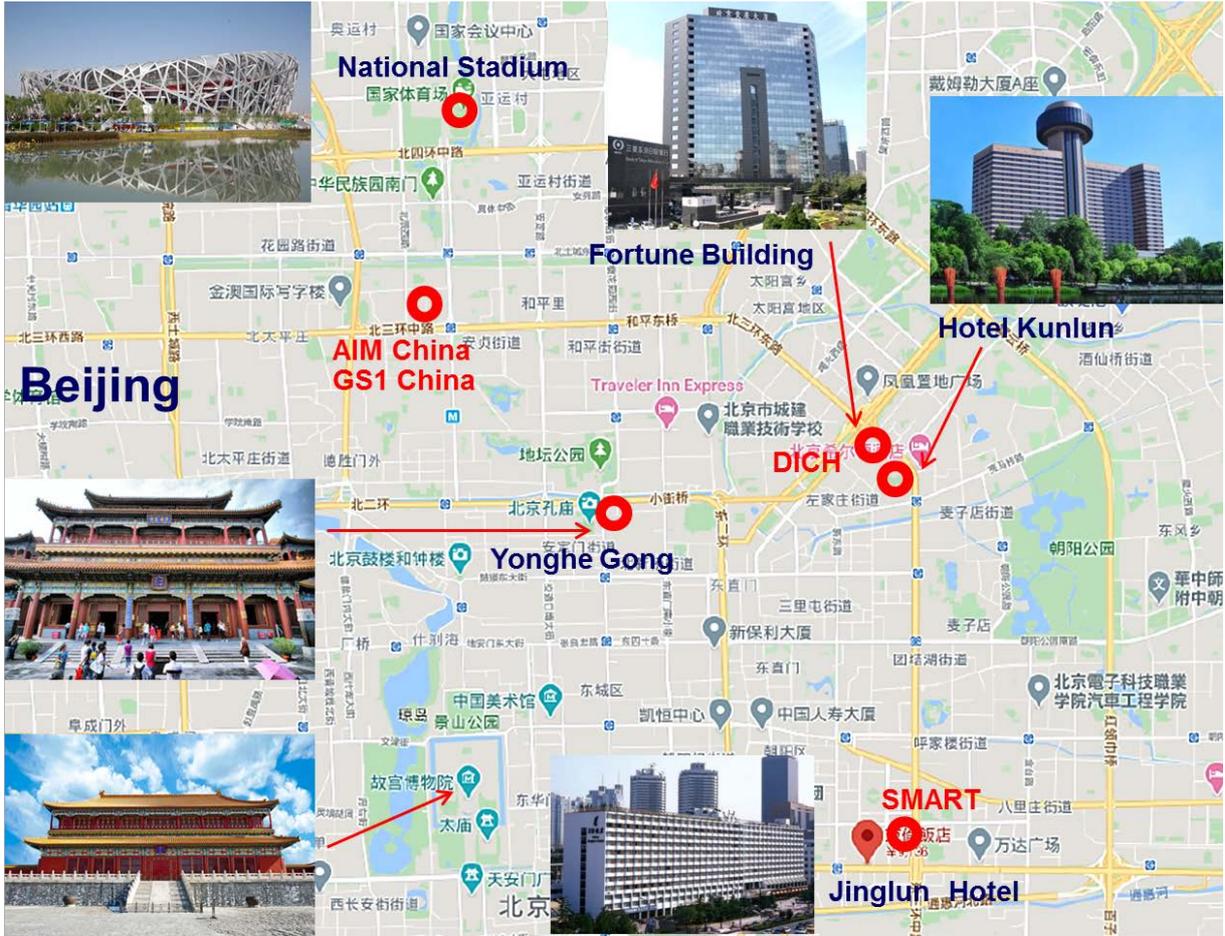
2009年3月5日~7日の日程で、北京を訪問した。JAISAからISO国際提案したプロジェクト(RFIDが心臓のペースメーカーにおよぼす影響の測定方法)への賛成投票を得るため、AIM中国とGS1中国を訪問した。中国からは賛成投票の確約を得た。モバイルQRコードについても説明した。

JAISA: Japan Automatic Identification Systems Association

AIM: Automatic Identification Manufacturers

SMART: Beijing ER Technology CO., LTD, DICH: DENSO International China





**AIM China
Suntrans
Building**



No3 Beisanhuan Zhonglu Xicheng District Beijing 100029 China

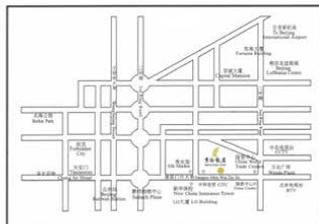



 京倫飯店
 Beijing
 Jinglun Hotel




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お電話のご利用方法

- 1 客室へ；直接お部屋番号をダイヤルして下さい。
- 2 外線（北京市内へ）；「0」+電話番号（北京市外へ）；「88」+電話番号
- 3 国際番号（日本へ）；「88」+国番号「0081」+電話番号（市外局番の「0」を除く）
例・・・東京「03-1234-5678」 → 「88-0081-3-1234-5678」

館内の施設について

- 1 両替所；フロント向かって一番右側カウンター 手数料無料 営業時間7:00~23:00
- 2 売店（飲食物等）；~~地下1階~~^{2F} 営業時間8:00~9:30（お土産・洋服等）；1階 営業時間7:00~22:30
- 3 マッサージ；地下1階 全身200元/45分 足つば~~100元/45分~~ 営業時間 午後13:00~午前3:00
~~全身に限りお部屋でのサービス有~~
- 4 サウナ及びスポーツジム；地下1階 料金無料 タオル等すべて準備しております。営業時間6:00~24:00
- 5 ビジネスセンター；7階 インターネット・印刷・コピー・国際電話等承ります。

ご朝食会場について

- 1 階レストラン「タイフィーガーデン」又は2階レストラン「桃李」でございます。事前に朝食券をご確認下さい。
- 1 階コーヒーショップレストラン「タイフィーガーデン」；営業時間5:30~10:00
- 2 階レストラン；営業時間6:30~9:00

客室内の飲料水

- 1 無料の飲料水は浴室内に2本ご用意しております。
- 2 冷蔵庫内及びミニバー・コーヒーは有料となります。ミニバー用紙にご記入の上、チェックアウト時にご清算下さい。

ランドリー（お洗濯物）について

客室内のカゴ又は洗濯用の袋に入れて、ランドリー用紙に記入して下さい。
午前10時以前 → 当日の17時にお届けに参ります。 午前10時過ぎ → 次の日の17時にお届けに参ります。

セーフティボックスについて

客室のクローゼット内がございます。暗証番号を入力して下さい。

ルームサービスについて

24時間営業 ルームサービスメニューをご覧の上、外線「55」又は「24」までお電話下さい。

変圧器・アダプターについて

サービスセンターにて貸し出しいたしますので、ご必要の際はサービスセンター内線「29」までお問い合わせ下さい。

郵便物の発送

葉書き・手紙の発送は1階フロント向かって一番左のベルデスクにて承ります。葉書き・切手は~~地下1階~~^{2F}の売店にて販売しております。

ツアーデスク

1 階フロント向かって左のカウンターベルデスク
ツアーの申し込み・空港チケット予約確認・変更・汽車のチケット予約・車の手配等承っております。

当ホテルでは、お客様へ快適におくつろぎいただけるよう、日本語対応スタッフが常駐しております。ご不明な点・ご質問等ございましたら、サービスセンター「29」までお気軽にお問い合わせ下さいませ。





【日程表】

日次	月日 (曜)	都市名	時刻	交通機関	スケジュール	食事欄
1	3/5 (木)	東京(成田) 北京	発 10:50 着 14:00	JL781	<p>現地係員出迎え *国際線B出口を出て右手に曲がり「連合貨幣両替カウンター」の正面向かい側にて現地係員がお待ちしております (空港見取図は日程表後方頁でご確認下さい) 現地係員が同行し、送迎バスにてホテルへご案内します</p> <p style="text-align: right;"><北京泊></p>	昼: 機内食 夕: -----
2	3/6 (金)	北京			<p>1日: 自由行動</p> <p style="text-align: right;"><北京泊></p>	朝: あり 昼: ----- 夕: -----
3	3/7 (土)	北京 東京(成田)	発 15:30 着 19:50	JL782	<p>送迎バスにて空港へ</p> <p>※集合時間は必ずお守り下さい 万一遅れた場合には、出発のバスはお待ちできないこととなります ※見送りのバスを利用されない場合は、必ずガイドにお知らせ下さい</p> <p>○お出迎えの方は・・・ 成田空港発着案内所 Tel.0476-34-8000にて到着時刻をご確認の上お出かけ下さい</p> <p>*ユニセフ外国コイン募金について* ユニセフコインエイドにご協力いただける方は、到着空港に設置してある募金箱をご利用ください</p>	朝: あり 昼: ----- 夕: 機内食

JL: 日本航空



JTC1N9507

ISO/IEC JTC 1 N 9507
ISO/IEC JTC 1
Information Technology

2009-02-04

Document Type: Proposed NP

Document Title: SC 31 New Work Item Proposal - Information technology -- Automatic identification and data capture techniques -- Radio frequency identification for item management -- Experimental evaluation method for impact distance and mitigation method of Electromagnetic Interference (EMI) from RFID interrogators on active implantable medical devices

Document Source: SC 31 Secretariat

Reference:

Document Status: This document is circulated to JTC 1 National Bodies for concurrent review. If the JTC 1 Secretariat receives no objections to this proposal by the due date indicated, we will so inform the SC 31 Secretariat.

Action ID: ACT

Due Date: 2009-05-04

No. of Pages: 54

31N2730

ISO/IEC JTC 1/SC 31 N2730

DATE: 2009-02-04

ISO/IEC JTC 1/SC 31

Automatic Identification and Data Capture Techniques

Secretariat: ANSI (USA)

DOC TYPE: New Work Item Proposal

TITLE: Information technology – Automatic identification and data capture techniques – Radio frequency identification for item management – Experimental evaluation method for impact distance and mitigation method of Electromagnetic Interference (EMI) from RFID interrogators on active implantable medical devices

SOURCE: National Body of Japan

PROJECT:

STATUS: The National Body of Japan proposes a new project as described in the attached “SC031-N-2730 - NWIP Form.doc”, and this document is provided to supplement additional information on the proposal.

P-members have an obligation to vote and are requested to cast votes on the SC 31 Web site (LiveLink) by the date indicated on this cover page. Per Resolution 5 of the Seoul Plenary Meeting, P-Members are requested to use the attached form (SC031 - Form I3B Comment Document.doc)

ACTION ID: COM

DUE DATE: 2009-05-04

DISTRIBUTION: ISO/IEC JTC 1/SC 31 members

MEDIUM: ISO TC Portal (LiveLink)

NO. OF PAGES: 52 (including this cover)

Secretariat ISO/IEC JTC 1/SC 31: GS1 US, 1009 Lenox Drive, Suite 202, Lawrenceville, NJ 08648, USA
Telephone: (609) 620-0200; Facsimile: (609) 620-1200; E-Mail: SC31@gs1us.org ;
Web Site: <http://isotc.iso.org/livelink/livelink?func=ll&objid=327946&objAction=Browse&sortFname>

New Work Item Proposal

February 2009

PROPOSAL FOR A NEW WORK ITEM

Date of presentation of proposal: 2009-02-04	Proposer: JISC (National Body of Japan)
Secretariat: ANSI	ISO/IEC JTC 1 N xxxx ISO/IEC JTC 1/SC 31 N 2730

A proposal for a new work item shall be submitted to the secretariat of the ISO/IEC joint technical committee concerned with a copy to the ISO Central Secretariat.

Presentation of the proposal - to be completed by the proposer

<p>Title (subject to be covered and type of standard, e.g. terminology, method of test, performance requirements, etc.)</p> <p>Information technology – Automatic identification and data capture techniques – Radio frequency identification for item management – Experimental evaluation method for impact distance and mitigation method of Electromagnetic Interference (EMI) from RFID Interrogators on active Implantable medical devices</p>
<p>Scope (and field of application)</p> <p>This technical information can be applied to ISO18000 Series RFID Interrogators.</p> <p>(a) The purpose of this information is to present the method of configuring the standard test system and the test method, to evaluate the EMI from RFID Interrogators on active Implantable medical devices (cardiac pacemakers and cardioverter defibrillators).</p> <p>(b) Propose a mitigation method using auxiliary radio wave (or a radio filter) to reduce EMI influence of RFID Interrogators on active Implantable medical devices.</p>
<p>Purpose and Justification - attach a separate page as annex, if necessary</p> <p>(a) Background</p> <p>There are cases where electromagnetic waves emitted by RFID Interrogators may cause EMI to active Implantable medical devices, resulting in malfunctions.</p> <p>It has already been confirmed that EMI characteristics depend on the radiation characteristics of the RFID Interrogators' electromagnetic field and the immunity of active Implantable medical devices.</p> <p>The influence of radio waves from cellular phones is a similar EMI issue. A standard method to evaluate the influence experimentally (SAR measurement method, IEC TC105/84/FD10) has been proposed (reference: AAMI), and Japanese guidelines have also been established, regarding 22 cm as an isolation distance where cellular phones can be used without causing any disturbance.</p> <p>Regarding RFID, there is an EMI influence evaluation method that uses flat-plane phantom using a liquid that may only be handled by a qualified expert. Using this method, the isolation distance not influenced by RFID was measured, and the measured distance has been presented as a guideline. The Japanese guideline indicates that the required isolation distance is a radius of 1 m for UHF band high-power stationary RFID Interrogators, and 22 cm for other RFID Interrogators (same as that for cellular phones).</p> <p>For RFID, however, no methods to prevent or mitigate EMI have been examined yet, in spite of the large isolation distance (radius of 1 m).</p>

Experimental Estimation and Mitigation Methods to be Used for Electromagnetic Interference From RFID reader/writers on Active Implantable Medical Devices

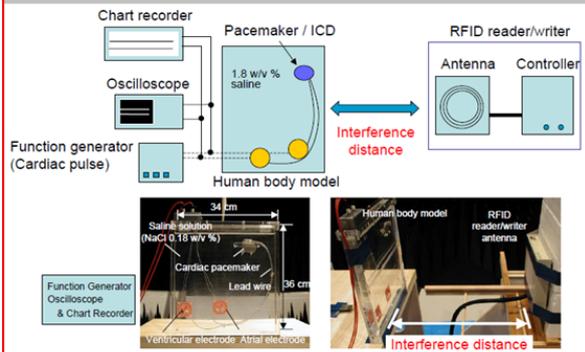
Wireless Technology & EMC Research Lab.
 Graduate School of Information Science and Technology,
 Hokkaido University, Japan.
 Japan Automatic Identification Systems Association, Japan

Contents

1. Introduction
2. Electromagnetic interference (EMI) measurement set-up
3. EMI investigations on active implantable medical devices
4. EMI mitigation method
5. Numerical EMI estimation method (informative)
6. Conclusions

2. Electromagnetic interference (EMI) measurement set-up

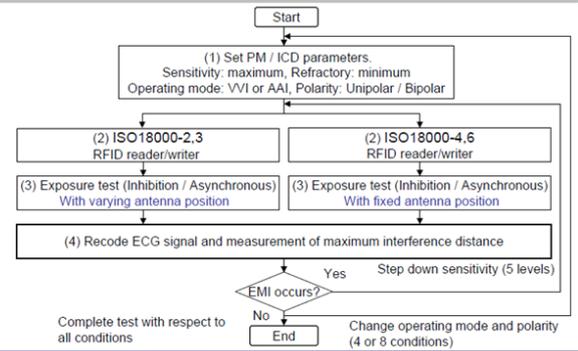
2.1 Configuration of the measurement set-up



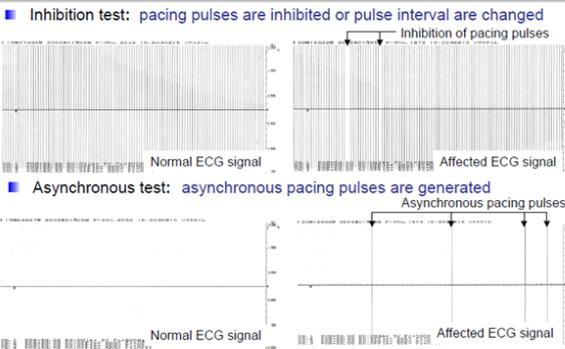
2.2 Overview of the measurement set-up



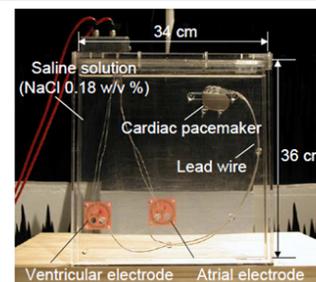
2.3 Procedure of the experiments



2.4 Examples of affected ECG signal



2.5 The human torso phantom



- The human torso phantom is based upon Irnich's flat torso phantom model.
- Both atrial and ventricular electrodes are modified and enable us to separate each chambers' signal by more than 20 dB.
- This phantom allows us to examine EMI with low interference by another chambers' signal.

This construction of a human torso phantom is confirmed to give more conservative results for EMI estimations.

Fortune Building



SMART Beijing ER Technology CO.,LTD



DENSO WAVE
1

QR Code Mobile Applications

DENSO WAVE INCORPORATED
Automatic Data Capture Div.
Akira Shibata

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Mobile Data Carrier Applications (1)

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Mobile Data Carrier Applications (2)

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Consumer Market

Use cases in consumer market

■ QR Code on mobile phone LCD

Mobile QR Code

■ QR Code reading by mobile phone

Service available for some NTTdocomo or SoftBank terminals

Member card/coupon Electronic ticket

Electronic payment

Mail order Ads (magazine/poster)

Sales campaign Business card

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Electronic Coupon

QR Code displayed on a mobile LCD

■ Application: Calculating reward points offered to a member card holder

<Benefits> ■ Can evaluate and operate a marketing and sales promotion.
■ Can reduce the cost of issuing member cards and coupons.

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Electronic Ticket

QR Code displayed on a mobile LCD

■ Application: Visitor Control at Concert Hall

<Benefits> ■ Can reduce the personnel cost with automated visitor control.
■ No need to issue a paper ticket, reducing the paper and postage cost.

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Mobile Membership Service (1)

A new service which offers you various contents via the internet to your mobile telephones is available with Java Application. As well as the ability to check reward points and purchase history, two-dimensional code displayed on your mobile phone can be scanned at point of purchase to show your personal customer data for authentication. It can also be used to calculate reward points. Customers wishing to use the service will receive a biweekly magazine.

Make your mobile phone a member card!

MOBILE MEMBERSHIP

Make your mobile phone a member of The SUIT COMPANY. If you register with The SUIT COMPANY's mobile membership, your mobile phone will be proof of your membership. Two-dimensional code displayed on your mobile phone offers you the full benefits of our membership service at the store of purchase. Only available to the models that can be connected to the internet. Some models are excluded. (i-mode, SoftBank, EZ web).

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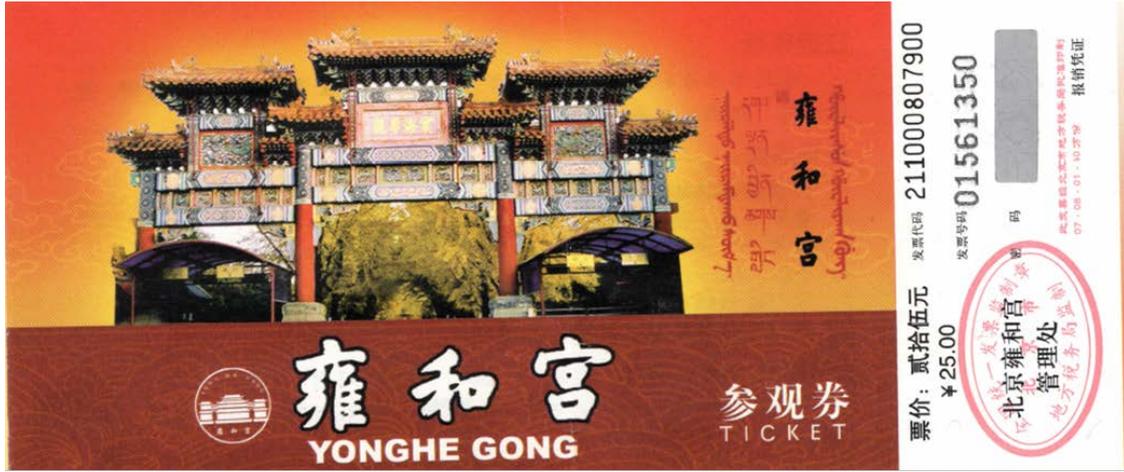
Mobile Membership Service (2)

New mobile terminal type automatic vending machine (Cmode automatic vending machine called "C-mo") is now available, which is equipped with computer, display, speaker, printer and so on. Collaboration with i-mode has made it possible to offer various services to i-mode users, such as cashless shopping, downloading standby screen and ring tone.

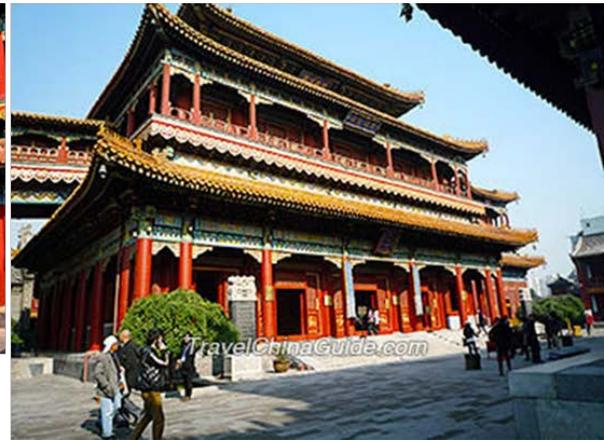
- Ability to purchase coupon and ticket
Coupon and ticket can be issued from the printer on Cmode automatic vending machine. Other information is also available.
- Ability to download standby screen and ring tone to mobile phone
Favorite standby screen and ring tone can be selected and purchased on Club Cmode.
- Ability to use cashless beverage purchasing
Insert coins to Cmode to credit in the specified account on a server for cashless shopping.
- Ability to get reward points
Accumulated reward points can be exchanged with beverage or other Cmode service.

Cmode Membership Service Flowchart

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2009.03.07



2009.03.07 Yonghe Gong



2009.03.07
National
Stadium



