JAISA Project Singapore /Melbourne

Schedule: 2009.02.21~02.28 2009.02.21 Kansai ⇒Singapore

2009.02.22 10:00-14:00 Meeting with GS1 Singapore 2009.02.23 10:00-14:00 Meeting with IDA, iCELL, RPI

2009.02.24 Singapore ⇒Sydney ⇒Melbourne

2009.02.25 09:00-17:00 Meeting with DIAU, Australia Post

2009.02.26 10:00-12:00 Meeting with Telstra

2009.02.27 10:00-17:00 Meeting with GS1 Australia, ALLES Oceania

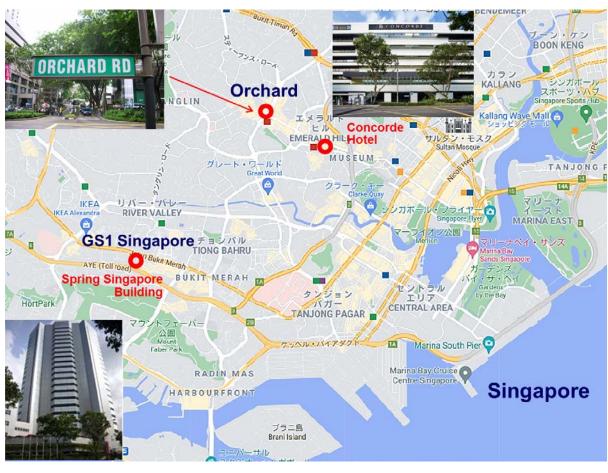
2009.02.27 Melbourne ⇒Sydney

2009.02.28 Sydney ⇒Narita ⇒Chubu

2009 年 2 月 21 日~28 日の日程で、シンガポールとメルボルンを訪問した。この第一の目的は JAISA からの日本提案である「心臓のペースメーカーに及ぼす RF タグの影響を測定する方法」に 関して、その概要説明と、賛成票獲得にある。第二の目的は QR コードのモバイルアプリケーションの普及促進である。

DIAU: DENSO International Australia, IDA: INFOCOMM Development Authority of Singapore iCELL: iCELL Network Pte. Ltd, RPI: RPI eSolutions Pte Ltd.







GS1 Singapore Spring Singapore Building







2 Bukit Merah Central 159835 Singapore



INFOCOMM
Development Authority
of Singapore(IDA)

MICA building 140 Hill Street, #04-01 Singapore 179369





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 13B 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)

> Secretariet 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(t)qs1us.org; Web Site: http://salc.iso.org/livelink/func=88abjld=3279468abjAction=browse&sart=name

31N2730

New Work Item Proposal

February 2009

PROPOSAL FOR A NEW WORK ITEM

Date of presentation of proposal:	Proposer:
2009-02-04	JIDC (National Body of Japan)
Decretariat:	SO/IEC JTC 1 N xxxx
ANSI	90/IEC JTC 1/9C 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

Title (subject to be covered and type of standard, e.g. terminology, method of test, performance requirements, etc.)

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

Scope (and field of application)

This technical information can be applied to ISO18000 Series RFID interrogators.

- (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).
- (b) Propose a mitigation method using auxiliary radio wave (or a radio filler) to reduce EMI influence of RFID interrogators on active implantable medical devices.

Purpose and justification - attach a separate page as annex, if necessary

(a) Background

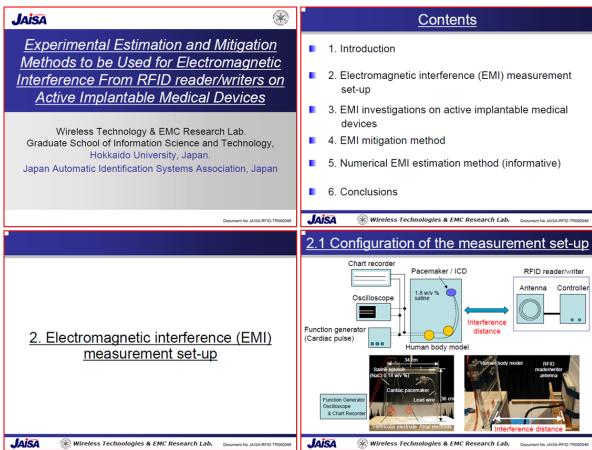
There are cases where electromagnetic waves emitted by RFID interrogators may cause EMI to active implantable medical devices, resulting in malfunctions.

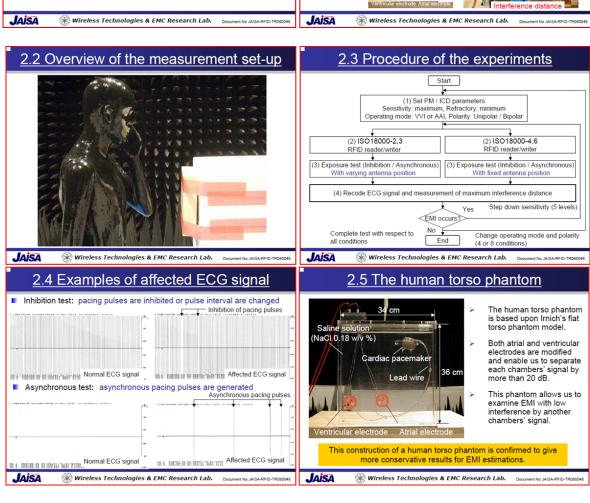
It has already been confirmed that EMI characteristics depend on the radiation characteristics of the RFID interrogators' electromagnetic field and the immunity of active implantable medical devices.

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 TC106/84/FDIS) 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.

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).

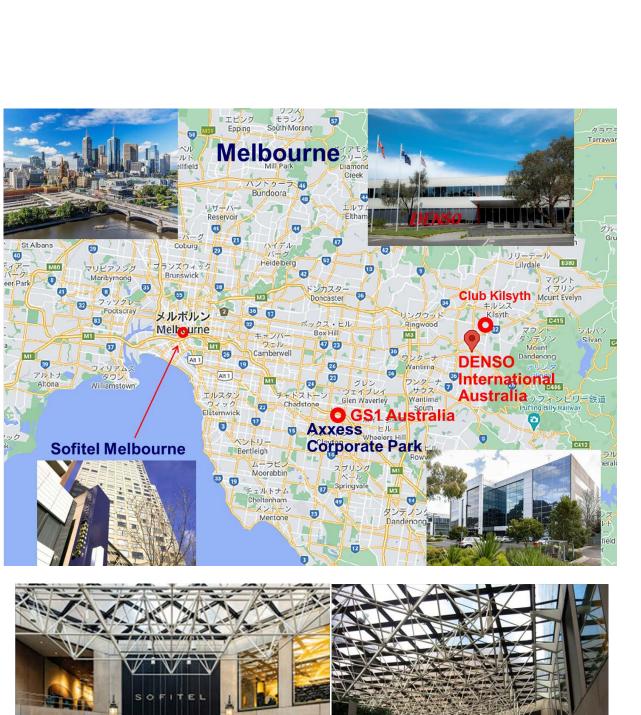
For RFID, however, no methods to prevent or mitigate EMI have been examined yet, in spite of the large isolation distance (radius of 1 m).

















2009.02.25 Sofitel Melbourne





DENSO International Australia

453 Dorset Road Croydon Victoria Australia 3136





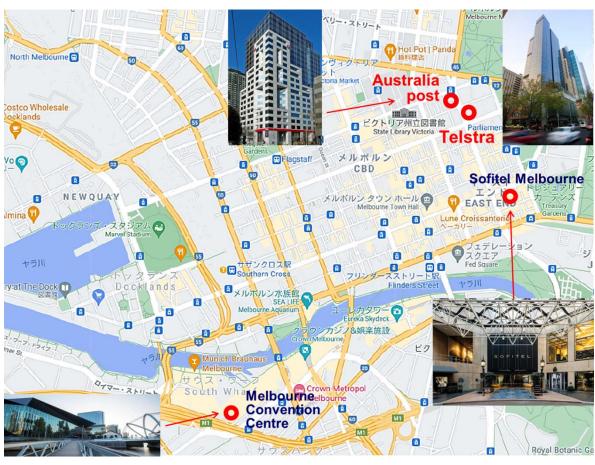
GS1 Australia Axxess Corporate Park



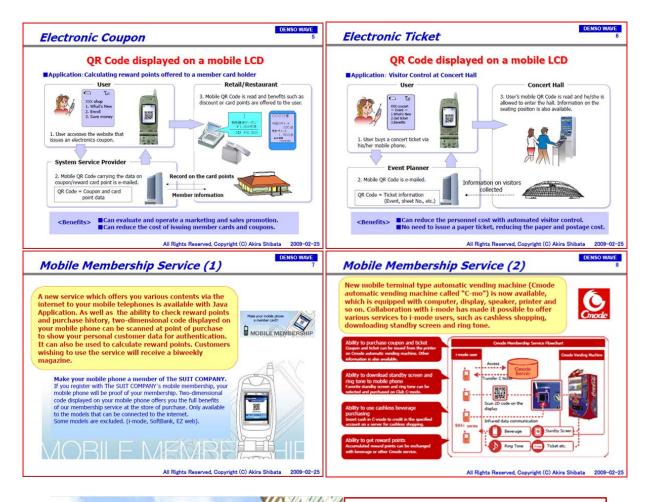


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Australia POST



321 Exhibition Street Melbourne Victoria 3000







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GUEST'S SIGNATURE

MEMBER'S SIGNATURE

CLUB KILSYTH

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PLEASE READ CAREFULLY

I DECLARE I AM OVER THE AGE OF 18 AND IF REQUIRED WILL SHOW IDENTIFICATION, DETAILS OF WHICH WILL BE RECORDED.

I WILL ADHERE TO THE DIRECTIONS OF MANAGEMENT OF THE CLUB, INCLUDING THE RESPONSIBLE SERVICE OF ALCOHOL, DRESS REGULATIONS AND PORTRAY RESPONSIBLE BEHAVIOUR AND SENSIBLE APPROACH TO GAMING.

I AM AWARE OF THE CONSEQUENCES OF ENTERING PREMISES WHERE SMOKING IS PERMITTED. I WILL PRODUCE THIS SIGN IN SLIP WHEN REQUESTED.

