



# **UL Japan, Inc.**

## **Overview**

**(Name) – (Date)**



## *Underwriters Laboratories Inc.*

- **Established in 1894 by Henry Merrill in Chicago**
- **Approximately 6500 employees worldwide**
- **21 billion UL Marks appear on new products every year**
- **223 million consumers reached with UL safety messages**



## *Facts and Figures about UL (Jan. 2007)*

**Current UL  
Standards**

**1,006**

**Product  
evaluations**

**108,745**

**UL Marks**

**21 billion**

**UL has 66 laboratory, testing and certification facilities  
and 127 inspection centers in the world.**

**Products types**

**19,214**

**Manufacturers  
producing UL  
certified products**

**71,680**

**Countries with  
UL customers**

**104**



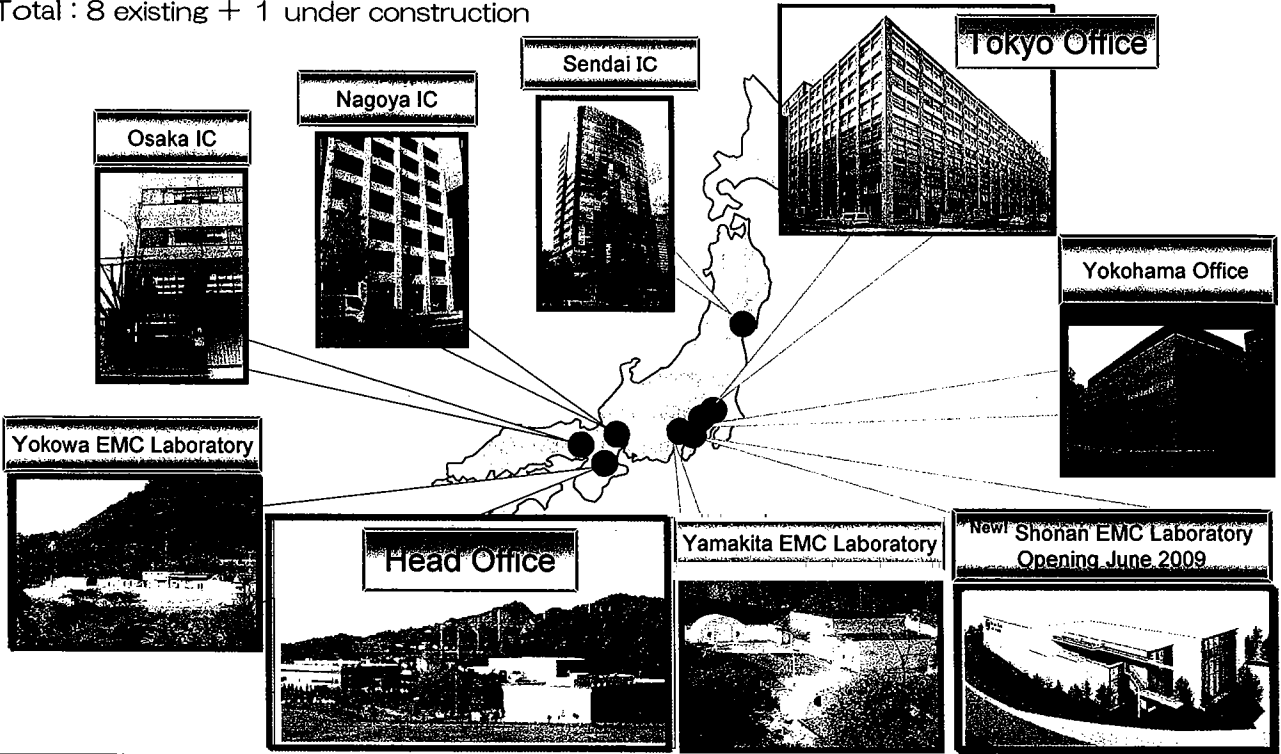
## *UL Japan, Inc.*

- **Established: April 26, 2007**
- **Capital: JPY 62,250,000**
- **Employees: 489 (as of Aug 31, 2008)**
- **President: Hiroshi Yamaki**
- **Head Office: 4383-326 Asama-cho Ise-shi, Mie**
- **Main Depts.: Conformity Assessment Services,  
Field Services, Customer Services,  
Medical, EMC  
Management System Registration\***

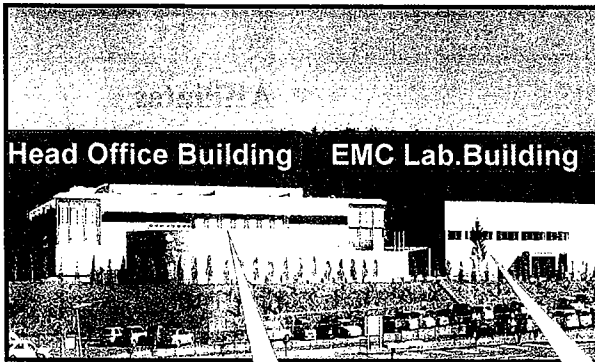


# UL Japan Local Office Locations

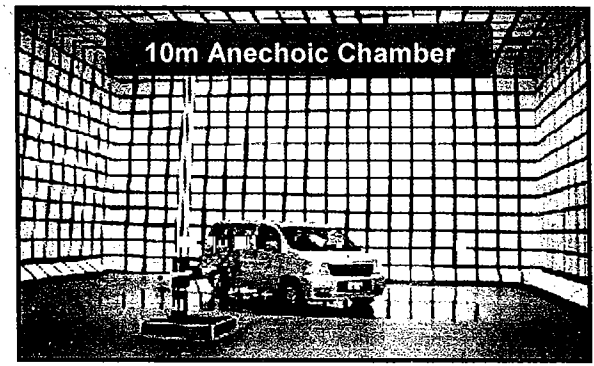
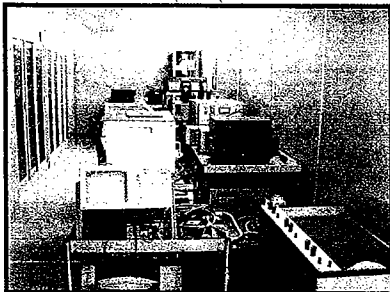
Total : 8 existing + 1 under construction



# UL Japan Head Office (Ise-shi, Mie)



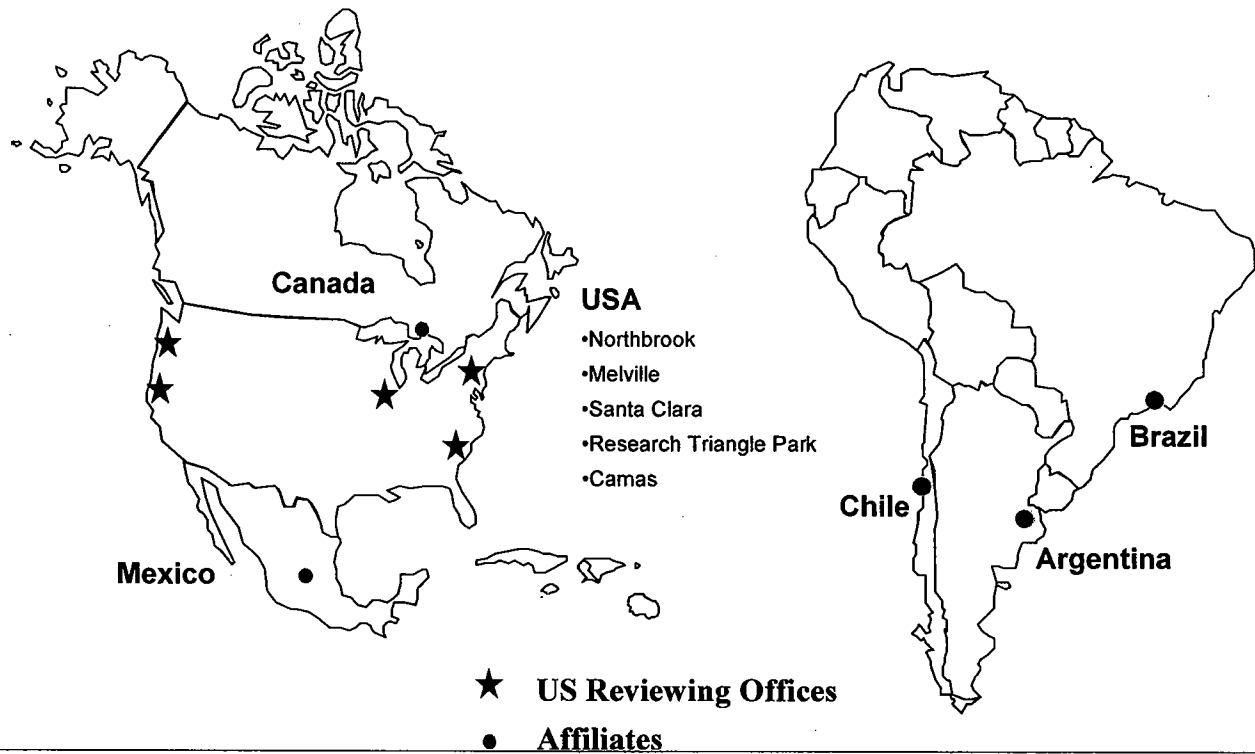
Lab. for Product Safety (In the Head Office Building)





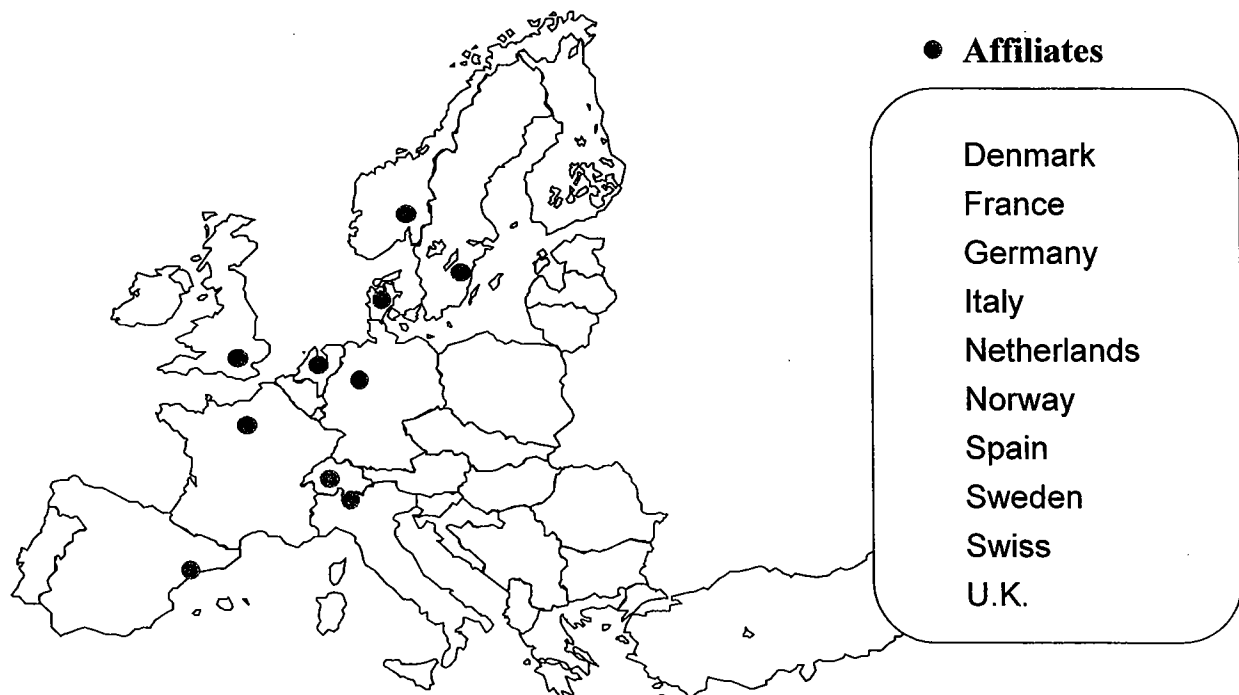
# Global Network

## North and Latin America



# Global Network

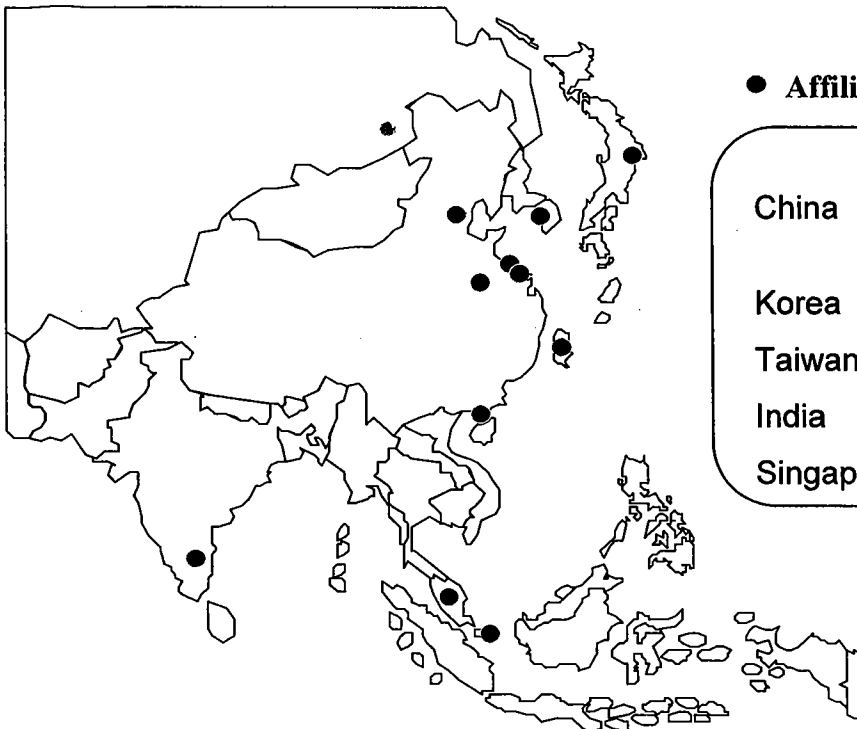
## Europe





# Global Network

## Asia Pacific



### ● Affiliates (including Division)

China (Shanghai, Beijing, Suzhou, Guangzhou)

Korea

Japan

Taiwan

Hong Kong

India

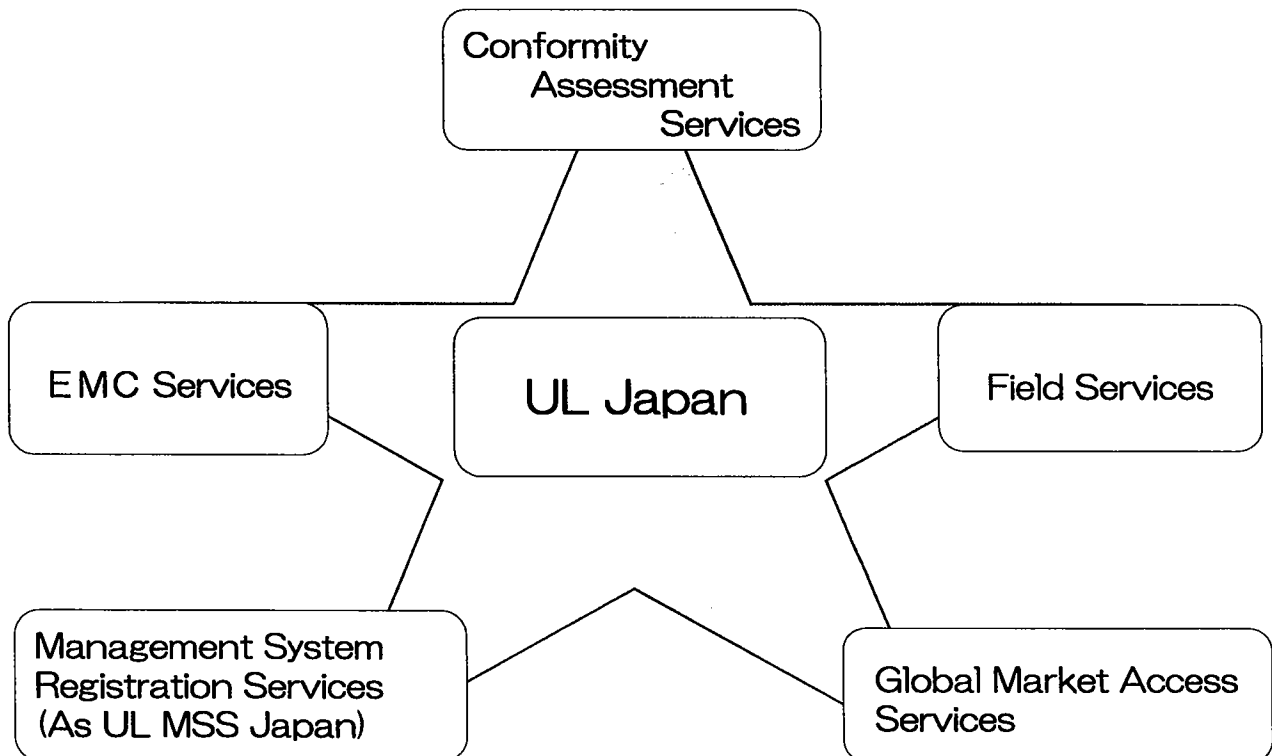
Malaysia

Singapore

New Zealand

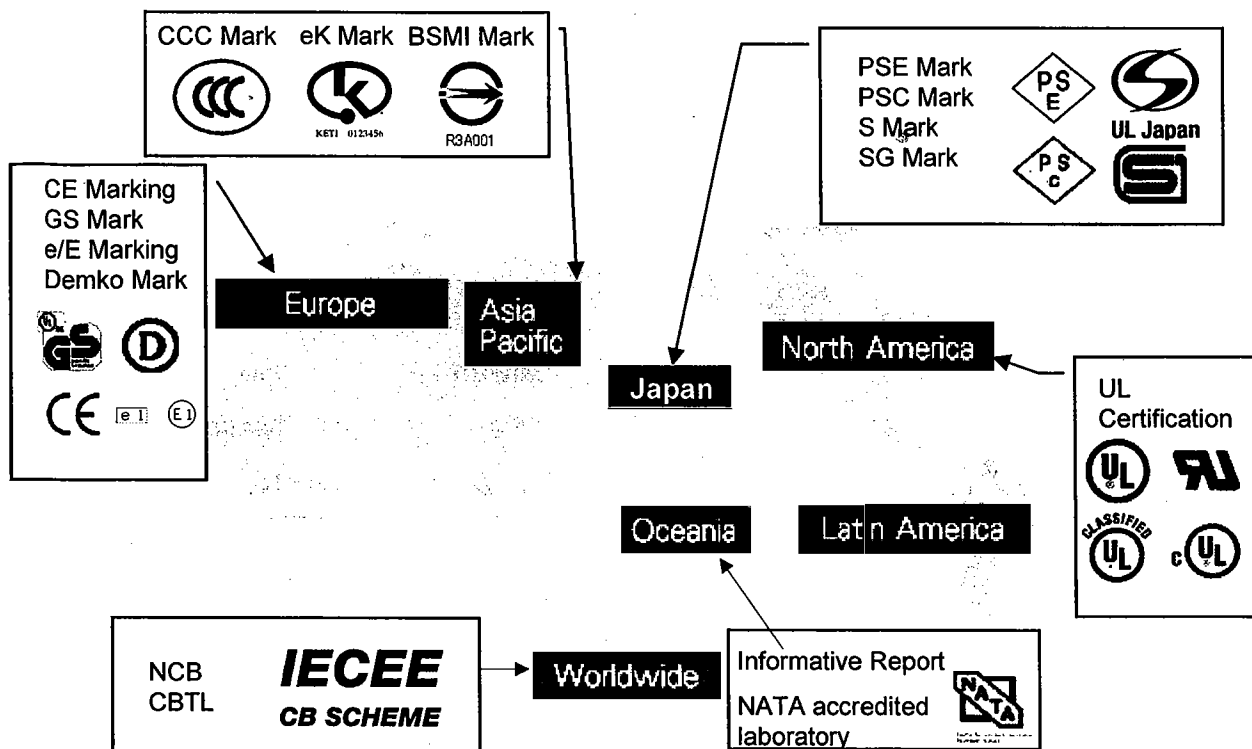


# UL Japan Services





# Conformity Assessment Services











# Conformity Assessment Services

North America	 <b>UL LISTED</b> UL Listing Mark	 <b>Recognized Component Mark</b>	 <b>CLASSIFIED UL</b> Classification Mark	 <b>c-UL Mark</b>
South America	<b>UL Argentina - S mark</b> (Accredited by OAA, Recognized by DNCI)	<b>UL Mexico-NOM mark</b> (Accredited by ema, approved by DGN)	<b>INMETRO UL Brazil mark</b>	
Europe	<b>CE Marking</b> <b>GS Mark</b> <b>e/E Marking</b>	 <b>CE Mark</b>	 <b>GS Mark</b>	 <b>e/E marking</b>



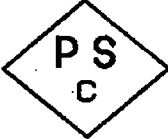



## Conformity Assessment Services

Japan	<p><b>Conformity Testing in accordance with the Japanese DENAN Law (PSE Mark)</b>  <b>Conformity Testing in Accordance with the Consumer Products Safety Law (PSC Mark)</b>  <b>Certification Service for Domestic Market (S Mark)</b></p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">               PSE Mark         </div> <div style="text-align: center;">               PSC Mark         </div> <div style="text-align: center;">               SG Mark         </div> <div style="text-align: center;">               S Mark         </div> </div>
Asia	<p><b>Application Services</b></p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">               CCC Mark         </div> <div style="text-align: center;">   <small>KETI 012456</small>              eK Mark         </div> <div style="text-align: center;">   <small>R3A001</small>              BSMI Mark         </div> </div>
Oceania	<p><b>Informative Report</b></p> <div style="display: flex; align-items: center;">              NATA accredited laboratory         </div>

World-wide CB scheme  
 CBTL & NCB (Formal Authorization on June 24 & 25, 2004 in Kyoto)



## Conformity Assessment Services - Japanese Certification

Mark	Category
<div style="display: flex; align-items: center;">  <div> <p>Accredited Testing Laboratory  <b>PSC-mark</b></p> </div> </div>	<p>Portable laser application equipment (Laser pointers etc.)                  Hot water circulating Systems (Jetted baths etc.)</p>
<div style="display: flex; align-items: center;">  <div> <p>Conformity Assessment Body  <b>PSE-mark</b></p> </div> </div>	<p>Compact single phase transformer                  Stabilizer for discharge lamp                  AC electric equipment</p>
<div style="display: flex; align-items: center;">  <div> <p>The S-mark certification governing organization  <b>S-mark</b></p> </div> </div>	<p>AV                  ITE</p>
<div style="display: flex; align-items: center;">  <div> <p>Accredited Testing Laboratory  <b>SG-mark</b></p> </div> </div>	<p>Portable laser application equipment (Laser pointers etc.)</p>







## EMC Services

### EMC

Worldwide Services for EMC, Measurement, testing, application and certification service under the restriction of Radio requirements  
(IT device AV device ISM device Medical device etc.)

### FCC Certification Services

Services from Testing to Certification in Japanese using of UL-TCB.

### Bluetooth

Services for Bluetooth logo Certification.  
We are recognized for BQTF.

### Automotive EMC

Services for e/E marking in automotive EMC regulation  
We are recognized for VCA(U.K.), Luxcontrol(Luxembourg).

### Support for Certifications

Application Services for worldwide radio requirements - FCC(U.S.), IC(Canada), R&TTE (EU)etc. (76 countries).

### SAR Testing

SAR Testing services

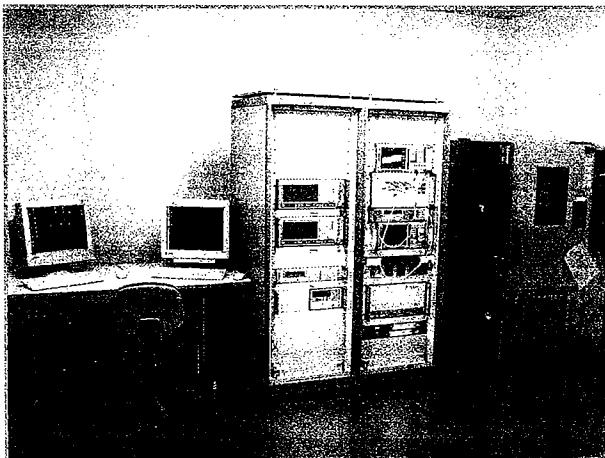
### On-site Measurement Services

On-site Measurement Services for Industrial Equipment and Large Machinery



## EMC Services - Bluetooth

We are recognized as BQTF (Bluetooth Qualification Testing Facility), and provide the services for Bluetooth logo Certification.



RF Tester



Protocol Tester



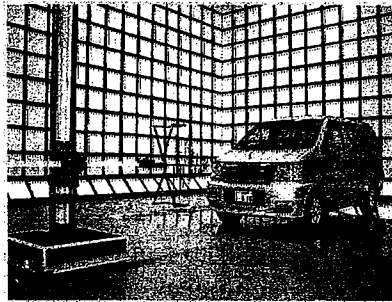
# EMC Services - Automotive EMC, SAR Testing

## Automotive EMC

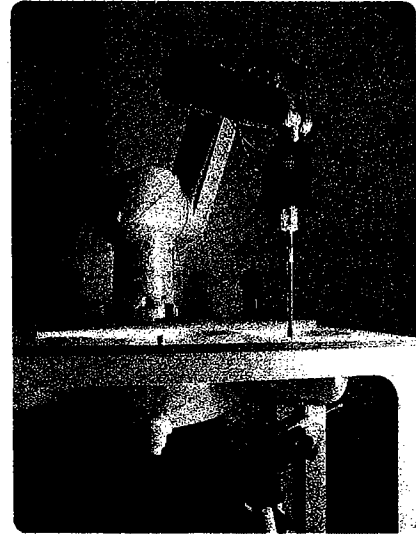
We are recognized as a testing laboratory by VCA(U.K.) and Luxcontrol(Luxembourg), and provide the services for e/E marking of automotive EMC regulation.

## SAR Testing

We provide SAR ( Specific Absorption Rate ) Testing Services for wireless applications based on FCC/OET Bulletin 65.



10m Anechoic



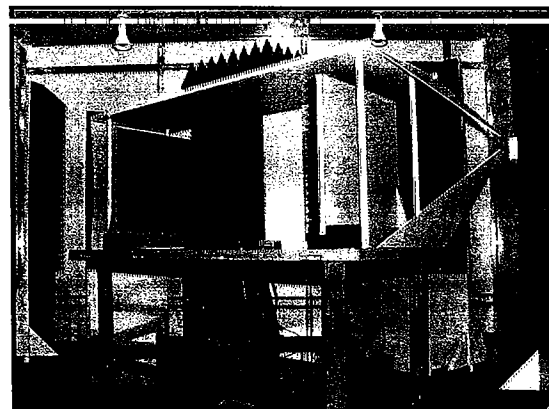
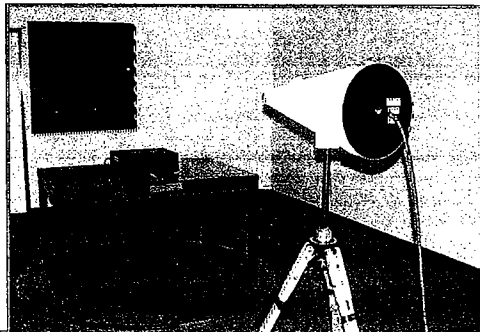
SAR Tester



# EMC Services - Various EMC Services

We provide the services of measurement, testing, application and certification for both EMC and Radio regulations of all over the world for IT Equipment, AV Equipment, ISM Equipment, Medical Equipment, etc..

- FCC (USA)
- BETS-7 (Canada)
- EN55013/20 (Europe)
- EN55103-1/2 (Europe) etc.





## EMC Services - EMC Test on-site

We conduct the test for EMC directive, FCC, etc. in your factory.

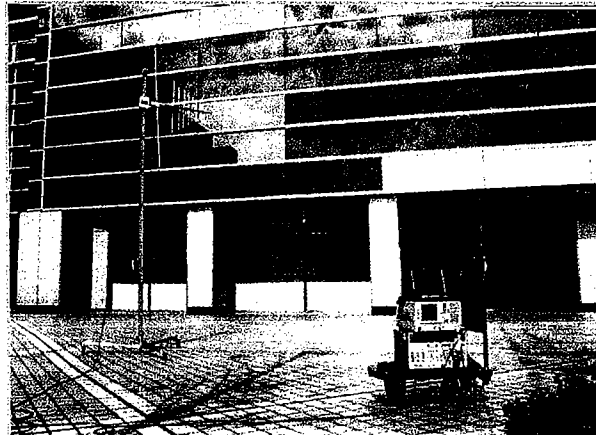
For...

Industrial Equipment (Semiconductor Equipment, Machine tool)

Construction Equipment

Railroad Coach

And we can also measure the electromagnetic environment of your office or factory.



## EMC Services - Radio Law Application Service

### FCC Certification Service

Services from Testing to Certification taking advantage of UL-TCB.

### Application Service for Certifications

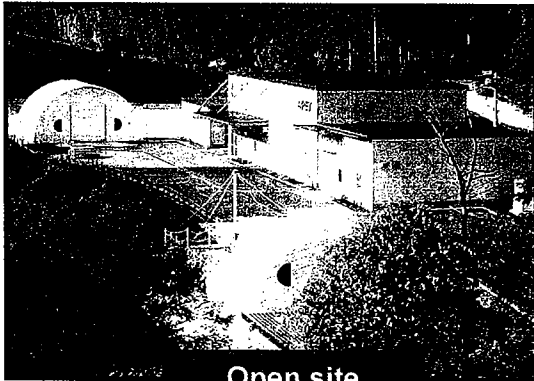
We have provided application services for radio law approval of more than 72 countries (FCC(U.S.), IC(Canada) , R&TTE(Europe)etc. ).

<b>North America</b>	U.S., Canada
<b>South America</b>	Argentina, Brazil, Mexico
<b>Asia</b>	Indonesia, Korea, Singapore, Thailand, Taiwan, China, Brunei, Malaysia
<b>Europe</b>	EU, EFTA
<b>The Middle and Near East</b>	Israel, Oman, Qatar, Cyprus, Kuwait, Saudi Arabia, Bahrain
<b>Other</b>	South Africa, Gibraltar, Malta etc.

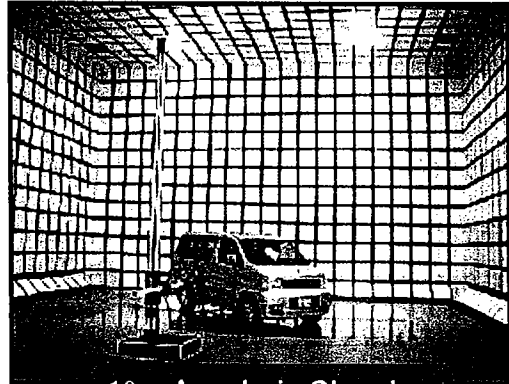


# EMC Services - EMC Testing Facilities

	Anechoic Chamber		Open Test Site	
	3m	10m	10m	30m
Head Office	3	1	-	-
Yokowa	2	-	1	2
Yamakita	2	-	1	1
<b>Total</b>	<b>7</b>	<b>1</b>	<b>2</b>	<b>3</b>



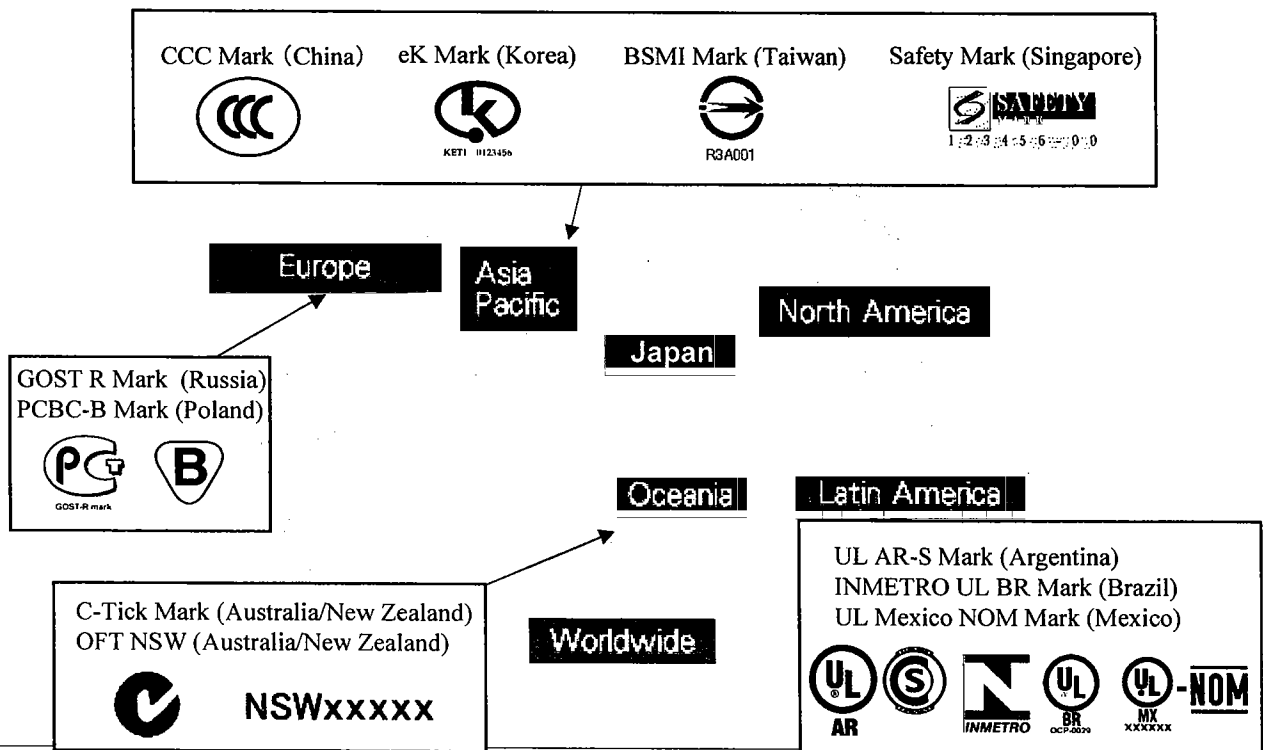
Open site



10m Anechoic Chamber



# Global Market Access Services

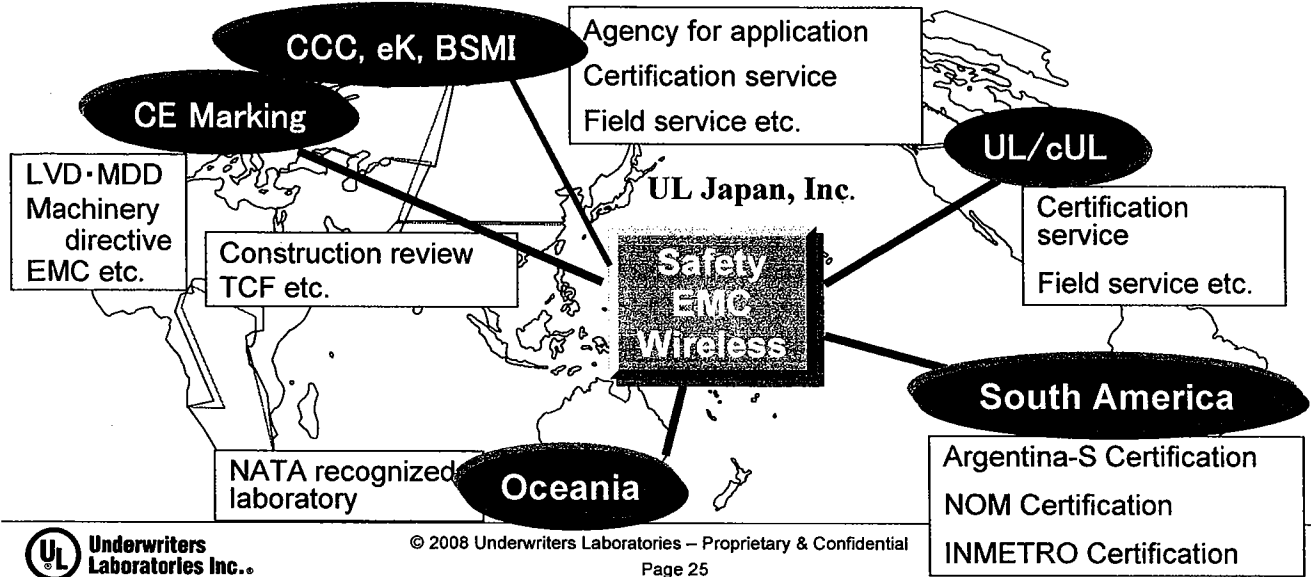




# UL Japan's Services

## One Stop Service & Localization

- Global response in the field by using worldwide Network
- Services under the same standard and quality around the world (Japan, China, Singapore etc.)



the standard in safety



Underwriters Laboratories Inc.®

## 目次

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- 4. 協議会への入会**
- 5. 自主規制の実施方法**
- 6. 測定設備等の登録**
- 7. 市場抜取試験**
- 8. 技術基準の許容値**
- 9. 事業**

エレクトロニクス技術の急速な発展や家庭における情報化の進展に伴って、パーソナルコンピュータ、ファクシミリ等の情報処理装置および電子事務用機器等がますます普及してまいりました。これらの機器は一般にデジタル技術を利用しているため、広い周波数範囲の妨害波を発生し、妨害波のレベルによっては、ラジオ・テレビジョン等の受信機に障害を与えることがあります。この妨害波の問題が注目されております。

この問題に関しては、国際電気標準会議（IEC）の国際無線障害特別委員会（CISPR）が、1979年から審議しており、1985年9月に「情報処理装置および電子事務用機器等から発生する妨害波の許容値と測定法」について勧告（Publication 22）が行われました。一方、米国では、1981年から連邦通信委員会（FCC）による規制措置がとられております。

わが国におきましても、このCISPR勧告をもとに郵政省（現総務省）電気通信技術審議会（現情報通信審議会）が、1985年12月2日に情報処理装置等から発生する妨害波の許容値および測定法についての技術規格をとりまとめて、郵政大臣へ答申いたしました。これに伴い郵政省は関係業界に対し、同答申の周知と電波妨害の防止に関する要請を行いました。

このような動向を踏まえ、関連業界4団体の（社）日本電子工業振興協会（JEIDA）、（社）日本事務機械工業会（JBMA）、（社）日本電子機械工業会（EIAJ）、通信機械工業会（CIAJ）が協力して早急に自主規制措置をとることといたしました。JEIDAとEIAJは統合して、（社）電子情報技術産業協会（JEITA）に、JBMAは、（社）ビジネス機械・情報システム産業協会（JBMIA）に、CIAJは、情報通信ネットワーク産業協会（CIAJのまま）となりました。

1985年12月19日、関連4団体は、パーソナルコンピュータ、ファクシミリ等による電波障害問題と対策を講ずるため「情報処理装置等電波障害自主規制協議会」（以下協議会という一略称VCCI）を設立いたしました。

協議会は、上記4団体以外の関係業界および海外の企業や団体に対しても協議会への参加を幅広く呼びかけ、わが国の電波障害問題の業界自主規制について協力をお願いし、協議会の自主規制に参加いただく企業や団体は、協議会の会員となって活動していただくこととなります。

## 2

### 目的

協議会は、ラジオ・テレビジョン等の受信機に障害を与えないよう、情報処理装置および電子事務用機器等の情報技術装置から発生する妨害波の自主規制措置を設け、わが国の健全な情報化社会の発展に貢献することを目的としています。

## 3

### 対象装置

#### 3.1 対象機器の適用範囲

この自主規制措置は日本国内に出荷される情報技術装置（ITE：Information Technology Equipment の略）に対して適用されます。「ITE」とは、つぎの定義によるものです。

#### 3.2 ITE の定義

「ITE」とは、定格電源電圧が 600V 以下であって、データおよび電気通信メッセージの入力、記憶、ディスプレイ、検索、伝送、処理、交換または制御、またはこれらの組み合わせを主機能とし、典型的に情報伝達のために動作する 1 つまたは多数の端子ポートを有することもある機器をいいます。ただし、以下に該当するものは除外することも可能としています。

- (1) ITE の定義に該当する場合でも、すでに国内でこの規定と同様の主旨を有する他の規格、または法律が適用されている機器  
例えば、電波法令に規定される無線伝送および無線受信を主機能とするすべての無線装置、並びに電気用品安全法に規定される家庭用電気機器、ラジオおよびテレビジョン受信機、または車載専用情報技術装置
- (2) 通信センタ内装置（電気通信事業者の管理する建物に置かれた装置）
- (3) 情報処理機能が二次的な動作となっている工業用プラント制御装置
- (4) 情報処理機能がシステムの二次的な動作となっている工業用（Industry）、科学用（Scientific）、および医療用（Medical）の試験測定装置（ISM 装置）
- (5) 消費電力が 6nW 以下の情報技術装置

## 4

### 協議会への入会

協議会の目的に賛同し、自主規制への参加および協力を希望される企業・団体は、協議会の会員になっていただく必要があります。入会を希望される場合は、まず、「入会申込書」を協議会事務局へ提出してください。

協議会事務局では、「入会申込書」を受領すると、所定の手続き後、下記の入会金および年会費の請求書を発行いたします。入会金および年会費の納入が完了すると、会員として登録され、各種の活動が可能となります。ただし、当該年度の下半期（10月～3月）に入会される場合は、年会費の半額分を納入していただきます。



(1) 入会金 50,000 円

(2) 年会費

A ランク (正会員) 800,000 円

VCCI の構成 3 団体 (JEITA、JBMIA、CIAJ) の会長、副会長会社およびそれに準ずる会社  
(年間 70 件以上の適合確認届出書を届出)

B ランク (正会員) 400,000 円

年間 10 件以上の適合確認届出書を届出する会社

C ランク (正会員) 200,000 円

年間 10 件未満の適合確認届出書を届出する会社

D ランク (賛助会員) 100,000 円

適合確認届出書の届出をしない会社

上記金額は、つぎの協議会指定銀行へお振り込みください。

振込指定銀行：みずほ銀行 虎ノ門支店

口座番号：普通預金 No.1664776

口座名義：情報処理装置等電波障害自主規制協議会

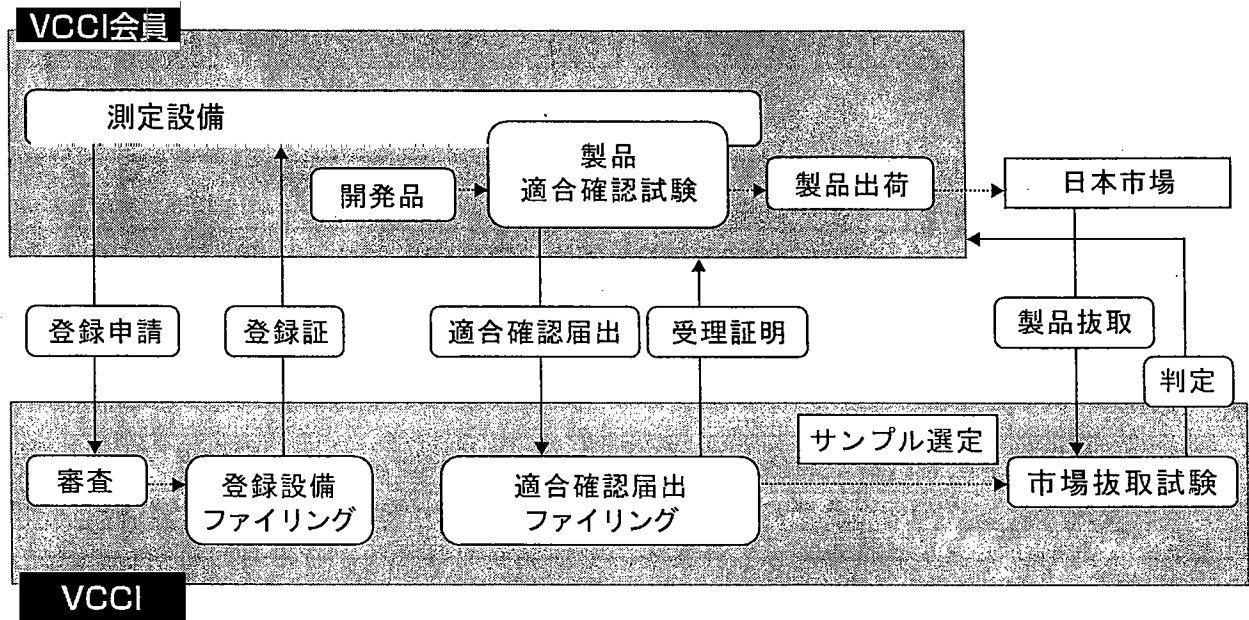
### ご注意

- 国内会員、および国内に代理店等のある海外会員については、消費税が課税されます。
- 入会の手続には、(入会申込書の受理より会費等の請求書発行までに要する期間) 1 週間前後かかります。
- 海外からのご送金には、上記の他、別途銀行の受理手数料として、年会費に一律 5,000 円が上乗せされます。

当協議会では、入会・登録された会員へ次の資料を発行しています。

- (1) 情報処理装置等電波障害自主規制協議会規約・規程類
- (2) 最新号の「VCCI だより」(年 4 回発行)

この自主規制措置では、「情報処理および電子事務用等の情報技術装置から発生する妨害波の許容値および測定法」に基づき、協議会が制定した「技術基準」により、会員が自社の ITE に対して、日本国内への出荷に先立ち自主的に妨害波の規制を実施いたします。自主規制システムは下図に示す通りです。



## 5.1 ITE の区分

使用される環境によって「クラスA情報技術装置」および「クラスB情報技術装置」に分けられております。

### ●「クラスB情報技術装置」

クラスB情報技術装置とは、クラスB情報技術装置の妨害許容値を満たす装置である。クラスB情報技術装置は主に家庭環境で使用されることを意図した装置であって、例えば次のような装置が含まれる。

- (1) 使用場所が固定されていない装置：例えば、組み込み電池を電源として動作するポータブル装置。
- (2) 電気通信回線から電源を供給される電気通信端末装置。
- (3) パーソナルコンピュータおよびそれらに接続される周辺装置。
- (4) ファクシミリ

注：家庭環境とは当該機器から10m以内の距離でラジオ・テレビジョン等の放送受信機を使用することが予想される環境をいう。住宅環境ともいう。

### ●「クラスA情報技術装置」

クラスA情報技術装置とは、クラスA情報技術装置の妨害許容値を満たすが、クラスB情報技術装置の妨害許容値を満たさないすべての情報技術装置である。

## 5.2 適合確認

会員は自社の ITE が協議会の定める技術基準の許容値に適合していることを確認しておかなければなりません。このため、会員は次の技術基準の適合確認および届出を行うことが必要になります。

### (1) 技術基準への適合確認

会員は ITE の適合確認試験を行い、協議会の定める技術基準に適合していることを確認してください。なお、適合確認試験は 6 項にて登録された測定設備を使用して行わなければなりません。

### (2) 適合確認の届出

会員は ITE の適合確認試験を行った後、別に定める「適合確認届出」を製品の出荷までに協議会へ提出し、その受理証明を受けてください。

- ご注意**：「適合確認届出」の受理証明発行までは、電子届出で約 1 週間、郵送で約 2 週間かかります。

## 5.3 表示

会員が適合確認届出を行った ITE については、クラス A 装置はクラス A の、クラス B 装置はクラス B の表示をしていただきます。なお、協議会は機器への表示方法およびカタログ・取扱説明書等への記載形式を別途指定していますので、会員にはそれぞれの ITE に対して見やすい場所に表示を行っていただきます。

- (1) 会員は、届け出たクラス A 情報技術装置の出荷品ごとに、次に示す文言を容易に見える場所に表示しなければならない。

この装置は、クラス A 情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

VCCI-A

- (2) 会員は届け出たクラス B 情報技術装置の出荷品ごとに、次に示すマークを容易に見える場所に表示しなければならない。



## 6

## 測定設備等の登録

ITE の適合確認試験のために使用する測定設備等は、「測定設備等の登録に関する規程」に従って協議会に申請し、審査を受け登録する必要があります。この審査・登録には約3ヶ月かかります。

但し、協議会が指定した試験所認定機関により認定されている試験所の測定設備等の登録は、審査が省略されますので1ヶ月以下で登録されます。

## 7

## 市場抜取試験

協議会では、市場にある製品の VCCI 技術基準への適合性を確認するため、抜取試験を行います。試験は、会員の公平な活動を維持するためのものであり、「市場抜取試験に関する規程」に従って実施します。会員は試験に対応する義務があり、また、試験にかかる諸費用は会員負担となります。

## 8

## 技術基準の許容値

ITE からの妨害波に対する許容値および測定方法については、原則として情報通信審議会の答申に基づき当協議会で定めた技術基準に従っていただきます。

## [ 許 容 値 ]

## (1) クラス A 情報技術装置

① 電源ポート伝導妨害波(電源ポートに誘起される高周波電圧)は次の値以下であること。

周波数範囲	許容値	
	準尖頭値	平均値
150kHz ~ 500kHz	79dB	66dB
500kHz ~ 30MHz	73dB	60dB

注1. 1 $\mu$ Vを0dBとする。

注2. 準尖頭値モードにおける測定値が平均値許容値を満たす場合、その測定周波数での平均値測定は行わなくてもよい。

注3. 周波数の境界では値の低い方の許容値を使用する。

② 通信ポート伝導妨害波は次の値以下であること。また、電圧許容値と電流許容値は、いずれか一方を満たすこと。

周波数範囲	電圧許容値		電流許容値	
	準尖頭値	平均値	準尖頭値	平均値
150kHz ~ 500kHz	97 ~ 87dB	84 ~ 74dB	53 ~ 43dB	40 ~ 30dB
500kHz ~ 30MHz	87dB	74dB	43dB	30dB

- 注 1. 電圧許容値では  $1\mu\text{V}$  を  $0\text{dB}$  とする。電流許容値では  $1\mu\text{A}$  を  $0\text{dB}$  とする。  
 注 2. 許容値は、 $150\text{kHz} \sim 500\text{kHz}$  の範囲で周波数の対数に対して、直線的に減少する。  
 注 3. 準尖頭値モードにおける測定値が平均値許容値を満たす場合、その測定周波数での平均値測定は行わなくてもよい。  
 注 4. 電圧許容値と電流許容値の変換係数は  $20 \log_{10} 150 = 44\text{dB}$  である。  
 注 5. 本表の許容値の適用は、2010 年 4 月以降とする。

③ 妨害波電界強度の準尖頭値は、測定距離 10m で次の値以下であること。

周波数範囲	準尖頭値許容値
30MHz ~ 230MHz	40dB
230MHz ~ 1000MHz	47dB

- 注 1. 周波数の境界では、値の低い方の許容値を使用する。  
 注 2. 測定距離 10m の測定が基本であるが、運用規程に基づいて登録を行った測定距離 3m の測定設備、または測定距離 30m の測定設備を使用して測定距離 3m、30m で測定してもよい。この場合は測定距離 3m での許容値は上記許容値に 10dB を加えた値とし、測定距離 30m での許容値は、上記許容値から 10dB を差し引いた値とする。  
 注 3.  $1\mu\text{V}/\text{m}$  を  $0\text{dB}$  とする。

④ 妨害波電界強度の平均値および尖頭値は測定距離 3m で次の値以下であること。

周波数範囲	平均値許容値	尖頭値許容値
1 ~ 3GHz	56dB	76dB
3 ~ 6GHz	60dB	80dB

- 注 1. 周波数の境界では、低い方の許容値を適用する。  
 注 2.  $1\mu\text{V}/\text{m}$  を  $0\text{dB}$  とする。  
 注 3. 本表の許容値の適用は、2010 年 4 月以降とする。

## (2) クラス B 情報技術装置

① 電源ポート伝導妨害波 (電源ポートに誘起される高周波電圧) は次の値以下であること。

周波数範囲	許容値	
	準尖頭値	平均値
150kHz ~ 500kHz	66 ~ 56dB	56 ~ 46dB
500kHz ~ 5MHz	56dB	46dB
5MHz ~ 30MHz	60dB	50dB

- 注 1.  $1\mu\text{V}$  を  $0\text{dB}$  とする。  
 注 2.  $150\text{kHz} \sim 500\text{kHz}$  許容値は周波数を対数で、許容値を dB で表したときに直線的に変化するものとする。

注 3. 準尖頭値モードにおける測定値が平均値許容値を満たす場合、その測定周波数での平均値測定は行わなくてもよい。

注 4. 周波数の境界では値の低い方の許容値を使用する。

② 通信ポート伝導妨害波は次の値以下であること。また、電圧許容値と電流許容値は、いずれか一方を満たすこと。

周波数範囲	電圧許容値		電流許容値	
	準尖頭値	平均値	準尖頭値	平均値
150kHz ~ 500kHz	84 ~ 74dB	74 ~ 64dB	40 ~ 30dB	30 ~ 20dB
500kHz ~ 30MHz	74dB	64dB	30dB	20dB

注 1. 電圧許容値では  $1 \mu\text{V}$  を 0dB とする。電流許容値では  $1 \mu\text{A}$  を 0dB とする。

注 2. 許容値は、150kHz ~ 500kHz の範囲で周波数の対数に対して、直線的に減少する。

注 3. 準尖頭値モードにおける測定値が平均値許容値を満たす場合、その測定周波数での平均値測定は行わなくてもよい。

注 4. 電圧許容値と電流許容値の変換係数は  $20 \log_{10} 150 = 44\text{dB}$  である。

注 5. 暫定的に、周波数範囲 6 ~ 30MHz の周波数で強いスペクトル密度を有する高速サービスにおいては 10dB の緩和が許容される。ただし、この緩和は、ケーブルにより希望信号から変換されたコモンモード妨害波に限られる。

注 6. 本表の許容値の適用は、2010 年 4 月以降とする。

③ 妨害波電界強度の準尖頭値は、測定距離 10m で次の値以下であること。

周波数範囲	準尖頭値許容値
30MHz ~ 230MHz	30dB
230MHz ~ 1000MHz	37dB

注 1. 周波数の境界では値の低い方の許容値を使用する。

注 2. 測定距離 10m での測定が基本であるが、運用規程に基づいて登録を行った測定距離 3m の測定設備を使用して測定距離 3m で測定してもよい。この場合は測定距離 3m での許容値は、上記許容値に 10dB を加えた値とする。

注 3.  $1 \mu\text{V}/\text{m}$  を 0dB とする。

④ 妨害波電界強度の平均値および尖頭値は測定距離 3m で次の値以下であること。

周波数範囲	平均値許容値	尖頭値許容値
1 ~ 3GHz	50dB	70dB
3 ~ 6GHz	54dB	74dB

注 1. 周波数の境界では、低い方の許容値を適用する。

注 2.  $1 \mu\text{V}/\text{m}$  を 0dB とする。

注 3. 本表の許容値の適用は、2010 年 4 月以降とする。



## List of Specified Electrical Appliances and Materials (115 items)

No	Electrical Appliances and Materials	No	Electrical Appliances and Materials
<b>Rubber-Insulated Cables</b>		<b>Wiring Devices</b>	
1	Rubber insulated cables	39	Photoelectric automatic switches
2	Rigid Cables(Rubber)	40	Cutout
3	Single-core rubber cords	41	Box switches
4	Twisted rubber cords	42	Molded case circuit breakers
5	Textile braided rubber cords	43	Float switches
6	Round braided rubber cords	44	Pressure switches
7	Other rubber cords	45	Sewing machine controllers
8	Sheathed flexible cords(Rubber)	46	Earth leakage circuit breakers
9	Sheathed flexible cables(Rubber)	47	Attachment plugs
10	PVC sheathed flexible cables(Rubber)	48	Socket-outlets
<b>Plastic-Insulated Cables</b>		49	Multitaps
11	Synthetic resin insulated cable	50	Cord connector bodies
12	Rigid Cables (Synthetic resin)	51	Flatiron plugs
13	Single-core PVC cords	52	Appliance connectors
14	Twisted PVC insulated cords	53	Other plug couplers
15	Textile braided PVC cords	54	Cord reels
16	Round braided PVC cords	55	Screw-in rosettes
17	Other PVC cords	56	Hook-up rosettes
18	Single-core polyethylene cords	57	Other rosettes
19	Other polyethylene cords	58	Keyless sockets
20	Sheathed flexible cords(PVC)	59	Waterproof sockets
21	Tinsel cords	60	Key sockets
22	PVC sheathed flexible cables	61	Pull sockets
23	Single-core polyolefin cords	62	Pushbutton sockets
24	Other polyolefin cords	63	Other sockets
25	Flame-resistant polyolefin sheathed flexible cables	64	Split sockets
<b>Link Fuses</b>		65	Separable plug bodies
26	Link fuses	66	Other screw couplers
<b>Enclosed Fuses</b>		67	Adapters
27	Tubular fuses	68	Lamp receptacles
28	Other enclosed fuses	69	Fluorescent lamp holders
<b>Thermal Links</b>		70	Fluorescent starter holders
29	Thermal links	71	Joint boxes
<b>Wiring Devices</b>		<b>Current Limiters</b>	
30	Tumbler switches	72	Meter rate current limiters
31	Rotary switches	73	Flat rate current limiters
32	Pushbutton switches	<b>Single-Phase Small Power Transformers</b>	
33	Pull switches	74	Transformers for toys
34	Cord switches	75	Other household appliance transformers
35	Pendant switches	76	Ozonizer stabilizing transformers
36	Other switches		
37	Time switches		
38	Street lamp switches		



Single-Phase Small Power Transformers		Electric Motor-Operated Appliances	
77	Electronic appliance transformers	95	Automatically washing and drying toilets
78	Fluorescent lamp ballast	96	Electric food waste disposers
79	Mercury vapor lamp ballast and other high pressure discharge ballast	97	Electric pumps
		98	Electric well pumps
Heating Appliances		99	Refrigerating showcases
80	Electric heated toilet seats	100	Freezing showcases
81	Heating appliances for garden plants	101	Electric ice cream freezers
82	Electric hot cupboards	102	Electric massagers
83	Electric inhalators	103	Vending machines
84	Electric steam baths	104	Electric bubble generators for bathtubs
85	Electric heaters for steam baths	105	Electric bubble generators for aquariums
86	Electric sauna baths	106	Other electric bubble generators
87	Electric heaters for sauna baths	107	Electric motor-operated toys
88	Electric storage water heaters	108	Electric amusement vehicles
89	Electric pipe freeze prevention heaters	109	Other electric motor-operated or electromagnetically driven amusement appliances
Heating Appliances		Electronic Appliances	
90	Glass dew-prevention heaters	110	High-frequency depilators
91	Other electric heating appliances for prevention of freezing or condensation	Other AC Appliances	
		111	Magnetic therapeutic appliances
92	Aquarium heaters	112	Electric insect killers
93	Household heating therapeutic appliances	113	Electric therapeutic bath controllers
		114	Power supplies
94	Electric heated toys	Portable Engine Generator	
		115	Portable engine generators

## List of Other Electrical Appliances and Materials (338 items)

No	Electrical Appliances and Materials	No	Electrical Appliances and Materials
<b>Rubber-Insulated Cables</b>		<b>Plastic Conduits Fittings</b>	
1	Cable(Rubber)	32	Plastic boxes
		33	Plastic bushings
2	Heating cables(Rubber)	34	Plastic caps
<b>Plastic-Insulated Cables</b>		35	Other plastic fittings of rigid conduits or flexible conduits
3	Fluorescent lamp cables		
4	Neon tube cables	36	Cable wiring switch boxes(Plastic)
5	Cable(Synthetic resin)	<b>Enclosed Fuses</b>	
		37	Tubular fuses
		38	Plug fuses
6	Heating cables(Synthetic resin)	<b>Wiring Devices</b>	
<b>Metal Conduits</b>		39	Remote control relays
7	Metal conduits	40	Cutout switches
8	Metal under floor ducts	41	Covered knife switches
9	Class I metal raceways	42	Panel board unit switches
10	Class II metal raceways	43	Electromagnetic switches
11	Class I flexible metal conduits	44	Lighting tracks
12	Class II flexible metal conduits	45	Lighting track couplings
13	Other flexible metal conduits	46	Lighting track elbows
<b>Metal Conduits Fittings</b>		47	Lighting track tees
14	Metal couplings	48	Lighting track crosses
15	Metal normal bends	49	Lighting track feed-in boxes
16	Metal elbows	50	Lighting track end caps
17	Metal tees	51	Lighting track plugs
18	Metal crosses	52	Lighting track adapters
19	Metal caps	53	Other lighting track fittings and connectors
20	Metal connectors	<b>Single-Phase Small Power Transformers</b>	
21	Metal boxes	54	Transformers for bells
22	Metal bushings	55	Transformers for indicators
23	Other metal fittings of rigid conduits or flexible onduits	56	Transformers for remote control relays
24	Cable wiring switch boxes(Metal)	57	Transformers for neon tubes
<b>Plastic Conduits</b>		58	Transformers for fire lighters
25	Plastic conduits	59	Ballast for sodium vapor lamps
26	Pliable plastic conduits	60	Ballast for germicidal lamps
27	CD conduits	61	Voltage regulators
<b>Plastic Conduits Fittings</b>		<b>Small AC Motors</b>	
28	Plastic couplings	62	Repulsion start induction motors
29	Plastic normal bends	63	Split-phase induction motors
30	Plastic elbows	64	Capacity-start induction motors
31	Plastic connectors	65	Capacity-run induction motors

Small AC Motors		Heating Appliances	
66	Commutator motors	104	Electric rice wine warmers
67	Shaded-pole induction motors	105	Electric bains marie
68	Other single-phase motors	106	Electric tea servers
69	Squirrel-cage three-phase induction motors	107	Electric warming trays
		108	Electric warming boards
Heating Appliances		109	Electric jars
70	Electric room heaters	110	Electromagnetic cookers
71	Japanese electric heaters "Hibachi"	111	Other electric heating appliances for cooking purposes
72	Electric foot warmers "kotatsu"		
73	Electric foot warmers "anka"	112	Electric sterilizers (with electric heaters)
74	Electric foot warmers	113	Thermostatic developing trays
75	Electric slippers	114	Electric curling irons
76	Electric comforters "Futon"	115	Electric hair curlers
77	Electric floor cushions	116	Electric hair steamers
78	Electric blankets	117	Electric hot water heaters for shaving
79	Electric spreads "shikifu"	118	Other electric heating appliances for skin and hair care
80	Electric carpets	119	Electric air humidifiers
		120	Electric hot hand towel steamers
81	Electric seat chair covers	121	Electric clothes steamers
82	Electric knee rugs	122	Electric soldering irons
83	Electric heated chairs	123	Electric heated knives
84	Other electric heating appliances for body heating purposes	124	Electric pottery kilns
		125	Electric heaters for irons
86	Electric ranges	126	Electric melters
87	Electric sausage roasters	127	Other electric heating tools for handwork and handicraft
88	Electric toasters	128	Electric irons
89	Electric fish roasters	129	Electric flatirons
90	Electric ovens	130	Electric plastic welders
91	Electric roasters	131	Electric immersion heaters
92	Electric waffle irons	132	Electric instantaneous water heaters
93	Electric "tacoyaki" griddles	133	Electric heating boards
94	Electric cooking heating plates	134	Electric heating floor sheets
95	Electric frying pans	135	Electric heating floor mats
96	Electric deep pans	136	Electric plant nurseries
97	Electric rice cookers	137	Electric egg incubators
98	Electric fryers	138	Electric brooders
99	Electric kettles	139	Electric dryers
100	Electric coffee makers	140	Electric clothes pressers
101	Electric milk warmers	141	Electric moxibustion appliances
102	Electric steamers	142	Electric insecticide vaporizers
103	Electric boiled egg makers	143	Electric incense burners

Electric Motor-Operated Appliances		Electric Motor-Operated Appliances	
144	Electric room fans	184	Electric rice washers
145	Ventilating fans	185	Electric rice polishers
146	Electric circulating fans	186	Electric ice flakers
147	Electric cooled air fans	187	Electric rice cake "mochi" makers
148	Electric fan-coil units	188	Electric noodle makers
149	Electric fan convectors	189	Electric can openers
150	Electric deodorizers	190	Electric mincers
151	Electric fragrance diffusers	191	Electric meat choppers
152	Blowers	192	Electric bread slicers
153	Electric room air-conditioners	193	Electric shavers
154	Electric dehumidifiers	194	Electric hair clippers
155	Electric hot air heaters	195	Electric nail polishers
156	Electric hair dryers	196	Other electric motor-operated or magnetically-driven appliances for skin or hair care
157	Laminators		
158	Electric dryers		
159	Electric air cleaners	197	Electric toothbrushes
160	Electric vacuum cleaners	198	Electric brushes
161	Electric blackboard eraser cleaners	199	Electric scissors
162	Electric record cleaners	200	Electric grinders
163	Other electric dust absorbers	201	Electric sanders
164	Electric floor polishers	202	Electric polishers
165	Electric shoe polishers	203	Electric drills
166	Electric washing machines	204	Electric planers
167	Electric spin extractors	205	Electric saws
168	Electric washing machines for sports goods or recreational goods	206	Electric metal cutting machines
		207	Electric hand shears
169	Electric dishwashers	208	Electric groovers
170	Electric vegetable washers	209	Electric mortisers
171	Electric humidifiers	210	Electric tube cleaners
172	Electric fountains	211	Electric scaling machines
173	Air compressors	212	Electric tappers
174	Electric mist sprayers	213	Electric nut runners
175	Electric refrigerators	214	Electric screwdrivers
Electric Motor-Operated Appliances		215	Electric cutting blade polishers
176	Electric freezers	216	Other electric power tools
177	Electric water coolers	217	Electric lawnmowers
178	Electric ice makers	218	Electric grass shears
179	Electric juice squeezers	219	Electric hedge trimmers
180	Juice blenders	220	Electric garden cultivators
181	Food processors	221	Electric pottery wheels
182	Electric coffee mills	222	Electric sewing machines
183	Electric dried bonito planers	223	Electric pencil sharpeners

Electric Motor-Operated Appliances		Electric Motor-Operated Appliances	
224	Electric stirring machines	263	Electric collators
225	Electric inhalators	264	Electric staplers
226	Finger pressure "shiatsu" simulators	265	Electric paper punches
227	Other electric motor-operated or magnetically-driven appliances for household therapeutic use	266	Numbering machines
		267	Checkwriters
		268	Coin counters
228	Electric mimeograph machines	269	Bill counters
229	Vending machines	Electric Motor-Operated Appliances	
230	Hand towel rolling machines	270	Label tagging machines
231	Hand towel wrapping machines	271	Laundry finishing machines
232	Electric tea leaf roasters	272	Laundry folding machines
233	Electric insect traps	273	Money changers
234	Electric game machines	274	Electric barber chairs
235	Electric bells	275	Electric fan-forced air heaters
236	Electric buzzers	276	Electric musical instruments
237	Electric chimes	277	Electric hot water circulator/purifiers for bathtubs (24-hours operation whirlpool bath)
Electric Motor-Operated Appliances			
238	Electric sirens	Luminaries and Optical Appliances	
239	Belt conveyors	278	Pedestal lighting fixtures
240	Electric threshing machines	279	Household pendant fluorescent lamp lighting fixtures
241	Electric rice hulling machines		
242	Electric straw dampers	280	Rechargeable flashlights
243	Electric straw rope making machines	281	Handlamps
244	Egg selectors	282	Garden lighting fixtures
245	Egg washers	283	Decorative lighting fixtures
246	Electric tangle "Kombu" processors	284	Copying machines
247	Dried cuttlefish processors	285	Slide projectors
248	Wrapping machines	286	Overhead projectors
249	Packaging machines	287	Episcopes
250	Electric table clocks	288	Microfilm readers
251	Electric wall clocks	289	Viewers
252	Electric music boxes	290	Electronic flash apparatuses
253	Automatic print fixing baths	291	Photographic enlargers
254	Automatic print washers	292	Photographic enlarger lamphouses
255	Office printing machines	293	Photographic printers
256	Addressing machines	294	Electric sterilizers
257	Time recorders	295	Household therapeutic ray appliances
258	Time stampers	296	Incandescent lamps
259	Electric typewriters	297	Fluorescent lamps
260	Electric account selectors	298	Other incandescent lamp fixtures
261	Shredders	299	Other discharge lamp fixtures
262	Electric paper cutters		

Luminaries and Optical Appliances		Electronic Appliances	
300	Advertising lights	318	Electronic musical instruments
301	Egg testers	319	Radio receivers
Electronic Appliances		320	Tape recorders
302	Television receivers	321	Record players
303	Television receiver boosters	322	Juke boxes
304	Ultrasonic humidifiers	323	Other audio equipment
305	Ultrasonic cleaners	324	Video tape recorders
306	Ultrasonic rat exterminators	325	Demagnetizers
307	Microwave ovens	Other AC Appliances	
308	High-frequency welders	326	Leakage current detectors
309	Household low frequency therapeutic appliances	327	Burglar alarms
		328	Producers of medical materials
310	Household ultrasonic therapeutic appliances	329	Household electric potential therapeutic appliances
311	Household ultra-short wave therapeutic appliances	330	Electric refrigerators (absorption system)
		331	Arc welding machines
312	Electronic recreational appliances	332	Electric fence energizers
		333	Electric dimmers
313	Electronic clocks	334	Radio interference suppression devices
314	Electronic tabletop calculators	335	Furniture with lamps
315	Electronic cash registers	336	Furniture with electrical outlets
316	Electronic refrigerators	337	Furniture with other electrical appliances
317	Interphones	338	Electric pencils

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Information Technology Equipment  
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Voluntary Control Council for Interference by  
Information Technology Equipment



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## Voluntary Control Council for Interference by Information Technology Equipment

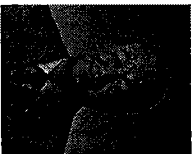
The mission of VC/CI is to contribute to the sound development of Japan's information society by establishing a scheme with which VC/CI members voluntarily control electromagnetic emissions from information technology equipment such as computers, telecommunication equipment and electronic office products so that other electrical/electronic equipment including radios and televisions will not be disturbed by such emissions. Specific activities for this mission are as follows:

- 1 Scope** Formulate basic policies on voluntary controls for electromagnetic emissions from information technology equipment.
- 2** Facilitate cooperation between member organizations and maintain relations with the government and related agencies.
- 3** Receive and maintain conformity evaluation report with the voluntary control standards and issue Certificates of Accreditation in return.
- 4** Carry out market surveillance (by outsourcing market sampling tests of ITC to not-for-profit third party testing laboratories).
- 5** Study trends in technical development for EMC and publicize the results to be reflected in VC/CI technical requirements.
- 6** Help measuring equipment of member companies to conform their measurement status to current regulations and standards.
- 7** Study trends in overseas EMC regulations and take appropriate measures to include foreign origin equipment.
- 8** Perform assessment of accreditation of measurement laboratories and facilities based on the requirements specified in the test system.
- 9** Carry out public relations activities and promote membership and support.
- 10** Administer other programs for collective operations of the voluntary control.

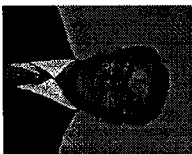
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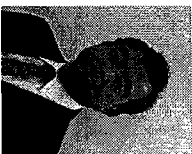
## Greetings



Chairman VC/CI  
Katsuhiko Machida



Executive Senior Vice President  
Hidekazu Hasegawa



Senior Executive Board Director  
Hanuyoshi Nagasawa

Dear Members,

We are pleased to report that the number of VC/CI members has reached as great as 1,290 companies in 22 years since its establishment on December 19, 1985. This is obviously because our voluntary activities to control radio disturbances from IT equipment have been widely recognized not only by the industry but by society in general. We thankfully understand that without proper guidance of related government offices and cooperation of VC/CI members the steady growth of the membership could not have been sustained.

Not to mention, technical advancement of IT equipment and their extensive diffusion in the market today cannot compare with those in the days of VC/CI establishment. Furthermore, it is estimated that information traffic in the Internet will increase 200-fold in the next 20 years. This estimation implies power consumption of IT equipment will sharply increase in such a degree that it will present a serious threat to the environment. In order to cope with such crisis Green IT Promotion Council was established on February 1, 2008 with the mission to save energy of the entire society by green design of IT equipment themselves and information technology applied to energy conservation. Under such circumstances in which information technology plays a key role towards low carbon society it is all the more important that electromagnetic environment surrounding IT equipment is properly controlled so that users can use IT equipment without anxiety. This implies that the role of VC/CI will become more influential in the future. We are committed to live up to such expectations.

The value of VC/CI heavily depends on the trustworthiness of the VC/CI mark. While it has been creeping up steadily thanks to cooperation of VC/CI members, we cannot stop striving to increase the credibility of the mark furthermore in our continued efforts. As one of such efforts we increased the number of target products for market sampling tests from 100 of the previous year to 110, 10% increase, in the year of reporting. Also we increased the proportion of purchase-based testing to loan-based testing and publicized the results of tests in order to achieve a higher level of transparency in the market sampling test.

In today's globalized market for IT equipment it is imperative to have VC/CI requirements harmonized with those employed in EMC regulations on the increase in different parts of the world. VC/CI was positively engaged in a variety of activities toward this goal including holding a yearly VC/CI International Seminar with invited speakers from EMC regulators of various economies and meetings with overseas standards groups and industry associations such as Ecma and ITC. Also VC/CI spared no effort in outreach activities overseas including presentations on VC/CI technical activities and Japanese EMC regulations at the IEEE 50th anniversary convention and running a VC/CI booth in the exhibition held in the convention site.

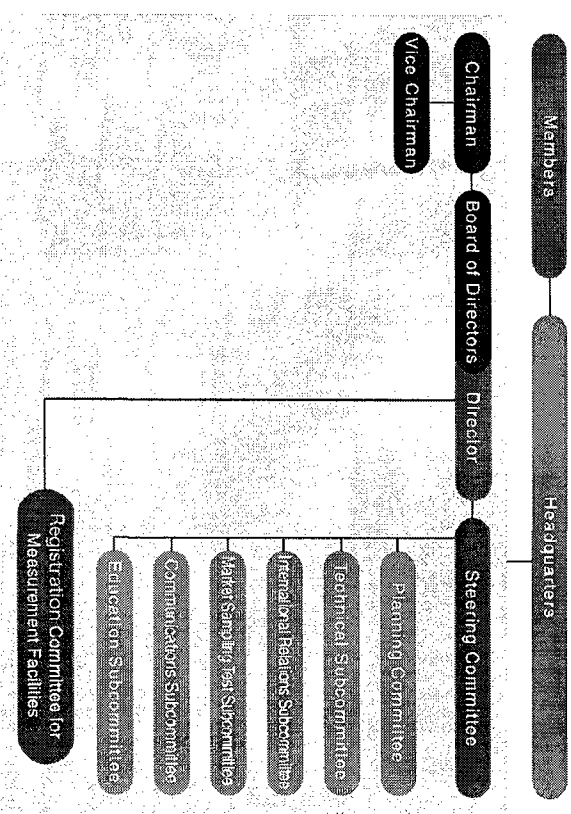
As we informed you before MOU between Japan and the US on EMC Testing Laboratories went into effect from April 1, 2007 which is an agreement on mutual recognition of EMC testing results between Japan and the US. This is a result of long term and patient efforts of VC/CI looking ahead to the era of globalized market in collaboration with related government offices and agencies. The fact that as many as 90 plus applications were registered based on the MOU in the first full year of its implementation indicates how anxiously the industry expected laboratory accreditation system to be streamlined. Also it indicates we, a private and voluntary organization, have won the trust of the US government through our efforts in extended years. We hope the momentum created here will promote the wide use of laboratory accreditation in Japan. It is our intention to extend this scheme on mutual recognition of testing results with other countries as much as possible.

We are committed, on the extension of our past track record, to activities to win higher level of trust of our members by keeping electromagnetic environment in Japan properly controlled and to contribute to international standardization in the field of EMC.

Here we are pleased to present you VC/CI annual report for 2007 - 2008. We are very grateful for your support and patronage on a regular basis.









## Organization



## Board of Directors

- Chairman  
**Katsuhiko Machida**  
 Chairman, Japan Electronics and Information Technology Industries Association
- Vice-Chairman  
**Yoshihiko Maeda**  
 President, Japan Business Machine and Information System Industries Association
- Vice-Chairman  
**Kaoru Yano**  
 Chairman, Communications and Information network Association of Japan
- Executive Board Director  
**Hidekazu Hasegawa**  
 Executive Senior Vice President, Japan Electronics and Information Technology Industries Association
- Director  
**Hideo Nakanishi**  
 Senior Executive Director, Japan Business Machine and Information System Industries Association
- Director  
**Yoshiyuki Sukemune**  
 Senior Executive Director, Communications and Information network Association of Japan
- Director  
**Hariyoshi Nagasawa**  
 Senior Executive Board Director, VCCI
- Auditor  
**Toshio Adachi**  
 Vice President, Sharp Corporation

## VCCI Committees

Committee Name	Chairman	Description
<b>Steering Committee</b>	 Chairman <b>Akihisa Sakurai</b> IBM Japan, Ltd.	Oversees subcommittees. Approves resolutions adopted by them and decisions made in general operations of VCCI. Takes necessary actions on identified problems and makes managerial recommendations.
<b>International Relations Subcommittee</b>	 Chairman <b>Satoshi Shibata</b> Panasonic Corp.	Liaises with related organizations in the world to communicate VCCI activities to them and obtain information in return on EMC related standards and regulations of the world to reference in considering harmonization of VCCI operations with them.
<b>Market Sampling Test Subcommittee</b>	 Chairman <b>Shigenori Mizuno</b> Ricoh Company, Ltd.	Conducts market sampling tests on ITE distributed in the market in order to see if they are in conformance with VCCI requirements as declared. Actual testing is commissioned to three VCCI designated public testing laboratories.
<b>Registration Committee for Measurement Facilities</b>	 Chairman <b>Osamu Fujiwara</b> Graduate School, Nagoya Institute of Technology	Passes judgment, based on assessed conformity of members' EMI measuring facilities with the VCCI requirements, about their qualifications for registration to VCCI.
<b>Technical Subcommittee</b>	 Chairman <b>Shozo Sarake</b> Hitachi, Ltd.	Solves problems in setting and maintaining standards on EMI limits, measurement methods and conformity assessment procedure that underpin the system of self control of electromagnetic interference from ITE.
<b>Communications Subcommittee</b>	 Chairman <b>Takeo Koizumi</b> Fujitsu Ltd.	Carries out public relations activities including publication of VCCI Doyori (quarterly journal) and Annual Report both in Japanese and English, circulation of a variety of publicity brochures, administering VCCI Website and running VCCI booth in related trade shows.

## VCCI Activities

### General operations

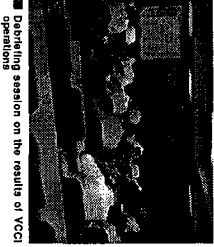
Smoothly executed operations of the FY2007 almost as planned. Participated in IEEE EMC Symposium in Hawaii to commemorate the 50th anniversary of IEEE and presented the VCCI papers in the Special Sessions in the symposium. Introduced Japanese EMC regulations in the Workshop and ran VCCI booth in the exhibition held in the convention. Had a dinner with ITI people there for building up closer relations with them while exchanging information on EMC in general. Attended an Ema/TC20 committee meeting held in Brussels in September to update information on EMC with each other. On the same trip we met the person in charge of EMC in the Commission following the previous year. He accepted our invitation to the VCCI International Forum to be held in March 2008. The mutual recognition agreement with US we had negotiated for over 10 years in collaboration with related Japanese government offices went into effect from April 1, 2007. In the form of MOU between Japan and the US on EMC Testing Laboratories, 82 measuring facilities from US to Japan and 35 test sites from Japan to US were registered based on the MOU in the first fiscal year (FY2007).

### Promotions

- (1) VCCI brochure  
Published VCCI Doyori (VCCI Journal) No.88 through 87 both in Japanese and English language as usual.
- (2) Annual report  
Published annual report as usual.

### Standards setting

- (1) This following pre-existing working groups under the Technical Subcommittee were re-organized in their respective fields:
  - (a) CISPR Project WG
  - (b) Radiated EMI Measurement Method WG
  - (c) Conducted EMI Measurement Method WG
  - (d) Kit Module Measurement Method WG
  - (e) VCCI Agreements Revision WG
- (2) In addition, a joint ad hoc taskforce with JETTA CISPR members continued its activities:
  - (a) CISPR Project WG  
Participated in meetings of relevant national mirror committees (under Ministry of Internal Affairs and Communications) to CISPR committees (MHI) in order to review comment on documents in circulation and monitor directions in standards development. Also participated directly in CISPR SC-1WG2 and WG3 and SC-1WG4 as expert members. Gave a briefing on recent direction in CISPR in the recent VCCI rules explanatory meeting.
  - (b) VCCI Agreements Revision WG  
Worked out revisions of the VCCI Agreement to go effective from April 1, 2008. Decided to update the VCCI Technical Requirements with upper limits and method of validation of measuring facilities for Measurement of radiated EMI above 1GHz, to go effective from April 2010. Held a VCCI rules explanatory meeting combined with Technical Symposium in January 2008 in Japan for 180 participants. Held the same meeting in February 2008 in San Francisco, Shanghai, Seoul and Taipei.
- (3) Validated methods of evaluation of telecommunication ports conducted EMI measurement as specified in CISPR documents through studies and experiments. Also satisfactorily evaluated differences in measurement results obtained through different methods of measurement using real equipment. Will complete a technical report on this study in FY2008. Gave a presentation on the same in the technical symposium.
- (4) Kit Module Measurement Method WG  
Carried out measurement of EMI from a memory module in a low cost arrangement using an intermediary board combined with system board instead of using a dedicated board for the measurement. Gave a presentation on the measurement results in the technical symposium.



Debriefing session on the results of VCCI operations



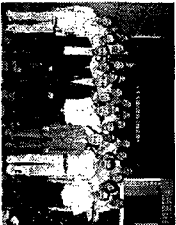
IEEE EMC Symposium

### Market Surveillance

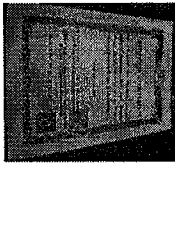
Carried out market sampling tests on 60 non-based and 51 purpose-built and products with focus on Bluetooth PC, web-casting products (15 products) in FY2007. Of total 111 products 36 were of overseas manufacturers and 75 were of Japanese manufacturers. Did not see any of our market sampling test program on a product at display of the VCCI mark on the product at shop for test reports. We are currently verification reports to enhance the operation in FY2008. Also studied conditions for decommissioning market sampling tests to additional testing laboratories.

### Technical Training Seminars

- (1) VCCI Seminar for Measurement Engineers  
Presented diploma to 70 trainees in total in two sessions held in May and October 2007.
- (2) VCCI Basic Course for Measurement Engineers  
Basic Course is designed to prepare only level measurement engineers for the VCCI course was held for two times in April and September with 70 trainees in total.
- (3) Advanced Calibration Skills Management Course  
Conducted this course based on the demand of trainees of VCCI Seminar for Measurement Engineers. Presented diploma to 14 trainees.
- (4) VCCI Seminar for Measurement Engineers in Taipei  
Conducted hands-on training in June 2007 for the lecture attendees in the previous year. Presented diploma to 13 trainees.



English version of Diploma



English version of Diploma

### International Activities

- (1) In November 2007 - Released an updated table of TTE related standards in the world CISPR22 and 24 version.
- (2) On March 7, 2008 - Conducted yearly VCCI International Forum at United Nations University in Aoyama, Tokyo with guest speakers from EU, Singapore (for ASEAN), People's Republic of China (2 agencies) and Mexico.
- (3) On March 12, 2008 - Conducted a VCCI workshop at Ho Chi Minh City, Vietnam.
- (4) March 17 through 19, 2008 - Sent experts to the 4th Ema/TC20 Geneva meeting.

### Public Relations

- (1) Engaged with a VCCI exhibition booth in the following trade shows:
  - Techno-Frontier 2007 held at Japan Convention Center, Makuhari Messe from April 18 through 20, 2007.
  - COMPUTEX TAIPEI held in Taipei from June 5 through 8, 2007.
  - Exhibition held with IEEE Symposium in Hawaii from July 10 through 12, 2007.
- (2) Continued posting an illustrated advertisement board in JR Shinjuku station and Akihabara station to increase public awareness of the VCCI mark.
- (3) Public relations via media:
  - Ran an advertisement for VCCI in Asahi Shinbun and Yomiuri Shinbun.
  - Ran an advertisement for the VCCI mark in a special edition of the Japan Consumption Economy Newspaper (featuring product marking).
  - Contributed advertisement articles on VCCI to Nikkan Sanjyo Shinbun and a special edition of Nikkan Keigo Shinbun (featuring EMC).



VCCI International Forum

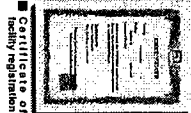


VCCI Workshop in Vietnam

### Site Registrations

The FY2007 market 1st re-registry of the registration is as follows:  
(1) Statistics on the site registration is as follows. (Note: Numbers in brackets ( ) are results in the previous fiscal year)

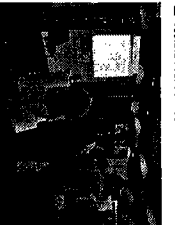
- I. The number of applications: 639 (Including 414 renewal) (482)
- II. Field strength measurement facilities: 249 (190)
- III. Main ports conducted EMI measurement facilities: 276 (225)
- IV. Telecommunication ports conducted EMI measurement facilities: 114 (47)
- V. The number of registered facilities: 528 (including 318 renewal) (503)
- VI. Field strength measurement facilities: 205 (205)
- VII. Main ports conducted EMI measurement facilities: 226 (241)
- VIII. Telecommunication ports conducted EMI measurement facilities: 97 (56)
- IX. Cumulative numbers of registered sites as of March 31, 2008 are follows.
  - Field strength measurement facilities: 334
  - Anchoic chambers: 334
  - Open sites: 279
  - Main ports conducted EMI measurement facilities: 898
  - Telecommunication ports conducted EMI measurement facilities: 197
  - Total: 1,507 facilities



Certificate of registration



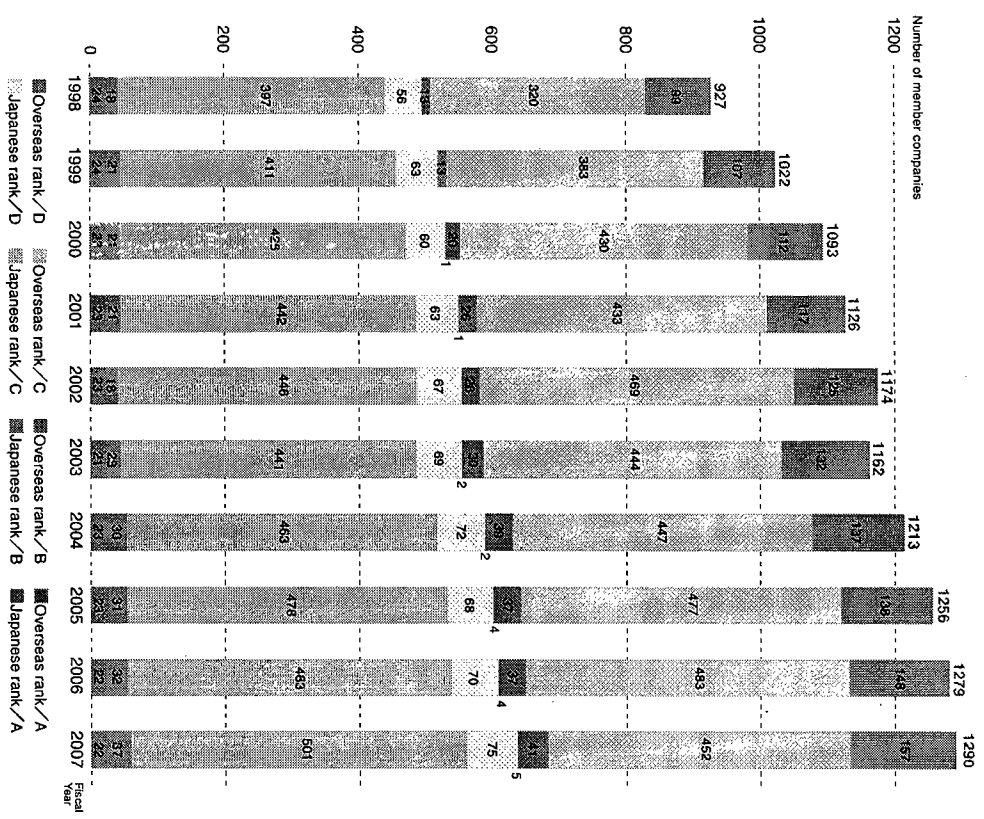
Techno Frontier 2007



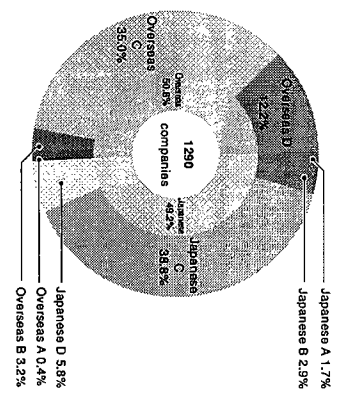
Exhibition held with IEEE EMC Symposium

## Transition of Membership

Rank A,B,C : Regular Members who are eligible to submit Conformity verification report.  
Rank D : Supporting Members such as test and measurement companies.

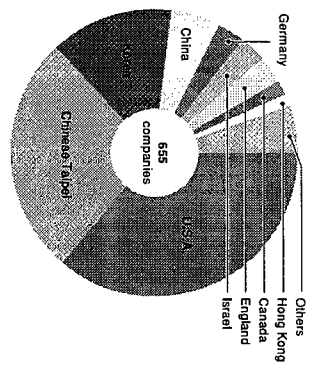


## Composition of Members

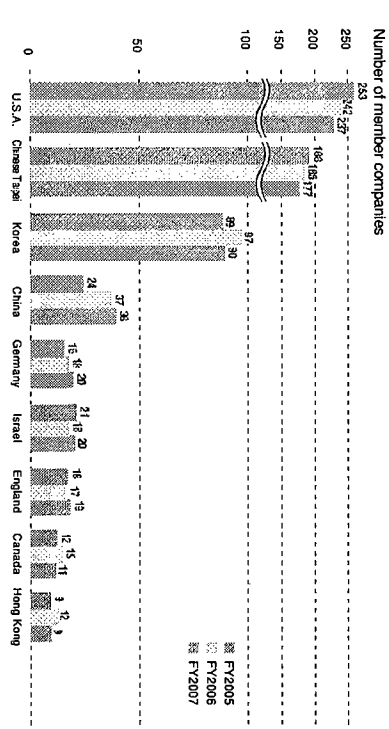


Rank	Number of Companies	Percentage
Japanese A	22	1.7%
Japanese B	37	2.9%
Japanese C	501	38.8%
Japanese D	75	5.8%
Overseas A	5	0.4%
Overseas B	41	3.2%
Overseas C	482	35.0%
Overseas D	157	12.2%
Total	1290	100

## Composition of Overseas Members

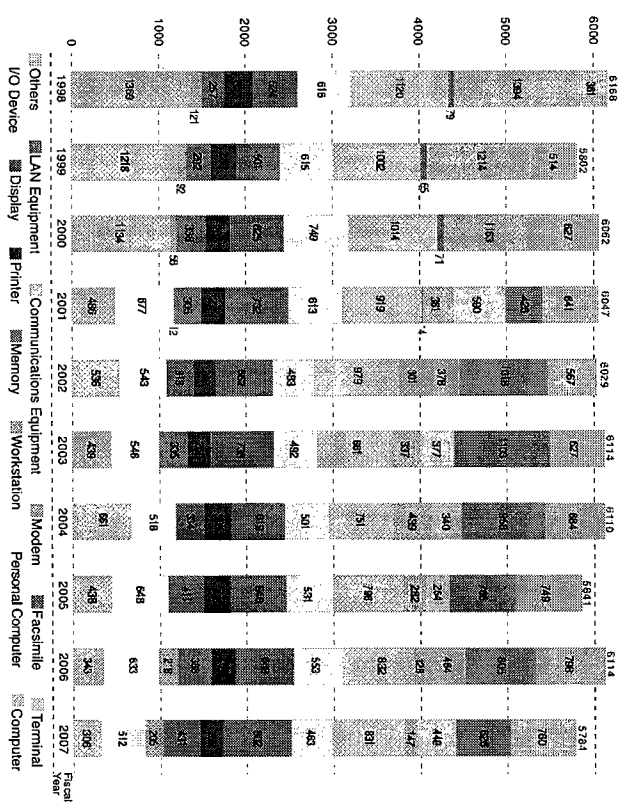


Country	Count
U.S.A.	297
Chinese Taipei	177
China	90
Germany	38
Israel	20
England	19
Canada	11
Hong Kong	9
Others	34
Total	655

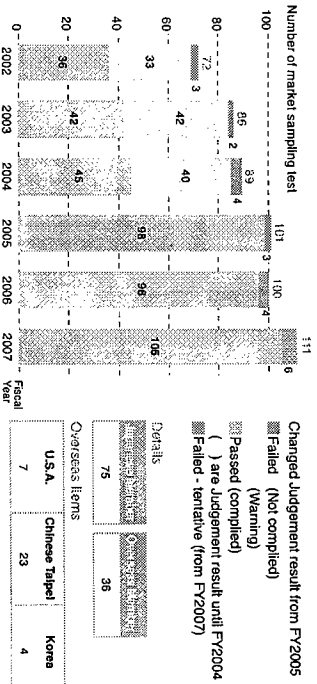


# The number of filed Conformity Verification Reports

Number of Conformity Verification Reports submitted



# Market Surveillance Results



Number of market sampling test

Changed Judgement result from FY2005

Passed (compiled)

Failed (Not compiled)

( ) are Judgement result until FY2004

( ) are Judgement result from FY2007

Details

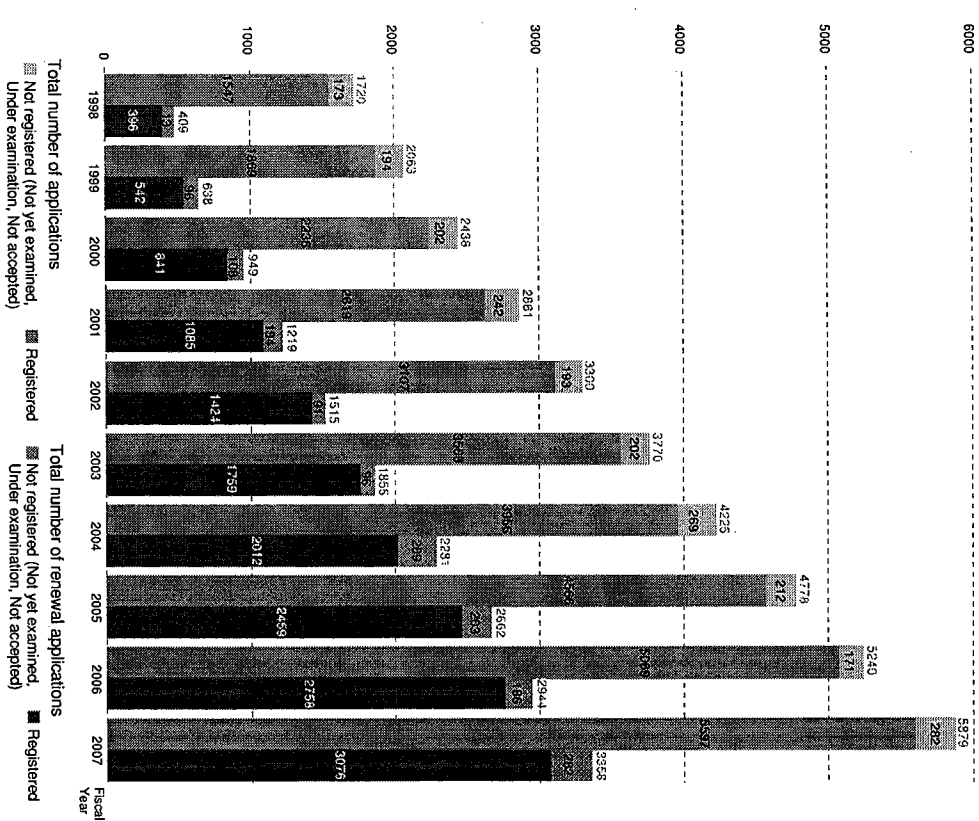
U.S.A.	7
Chinese Taipei	23
Korea	4
China	2

Character Items

U.S.A.	7
Chinese Taipei	23
Korea	4
China	2

# The number of Assessed/Registered Measurement Facilities

Cumulative number of applications



Total number of applications

Registered

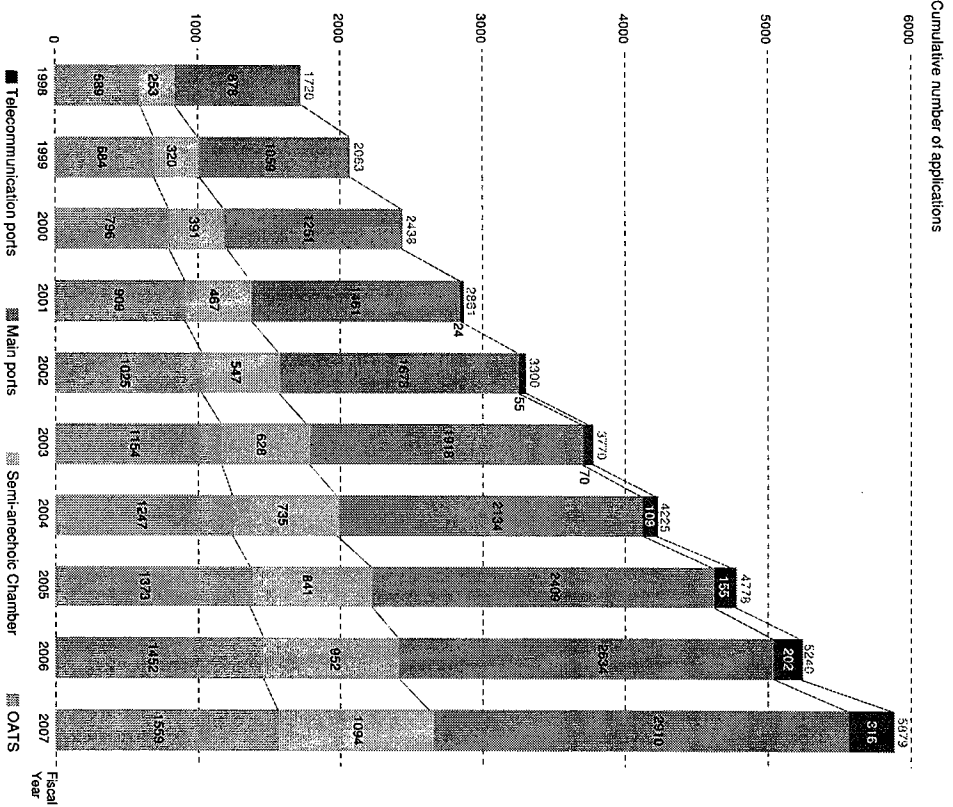
Not registered (Not yet examined, Under examination, Not accepted)

Total number of renewal applications

Registered

Not registered (Not yet examined, Under examination, Not accepted)

## The number of Applications for EMI Measurement Facilities



## About VLAC

VLAC (The Voluntary EMC Laboratory Accreditation Center, Inc.) is a testing laboratories accreditation body established as an independent organization separated from VCCI in 1999. VLAC provides EMC testing laboratories with accreditation services for the compliance of emission tests on ITE against VCCI technical requirements and immunity tests on medical and other equipment. Accreditation is carried out based on ISO/IEC17025:2005 which specifies requirements for management system and testing facilities to meet. As of March 31, 2008 (end of FY2007), 19 sites of 13 laboratories are listed as VLAC accredited testing facilities.

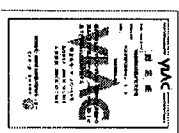
VLAC is a signatory of MRA (Mutual Recognition Arrangement) of APAC (Asia Pacific Laboratory Accreditation Cooperation) and ILAC (International Laboratory Accreditation Cooperation). This scheme enables so-called One Stop Testing, in which testing data created by a laboratory accredited by VLAC is accepted anywhere in the world.

See VLAC Website <http://www.vlac.co.jp/> for details.



# VLAC

ILAC Combined MRA Mark



Certificate of Accreditation



Scope of Accreditation

## Commissioned Testing Laboratories

### TELECO (Telecom Engineering Center) Matsudo Laboratory

URL: <http://www.telco.or.jp>

Location: 589-2, Takatsukashinden, Matsudo-shi, Chiba-shu, Japan 270-2222



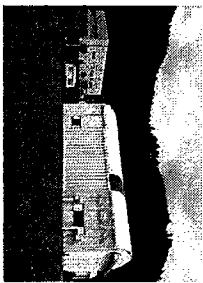
TELECO provides various technical services including certification on conformity with the technical requirements of the Radio Law, calibration of measuring instruments and testing of radio stations.

The Matsudo site with its open area test site and anechoic chamber is capable of technical work including VCCI designated EMI measurement, testing of high frequency radio stations and low power radio equipment and calibration of a variety of instruments including antennas.

### JQA (Japan Quality Assurance Organization) Temi Radio Engineering Environment Testing Laboratory

URL: <http://www.jqa.jp>

Location: 2290, Tankeizawa, Ohizai, Tsuru-shi, Yamagashi-ken, Japan 402-0945

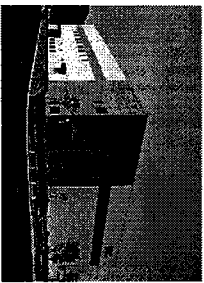


JQA is a neutral and fair not-for-profit third-party organization specializing in electromagnetic environment testing, product safety certification, environmental analysis and calibration of measuring instruments as well as ISO9000 and ISO14001 assessment and registration services for quality and environment management systems. JQA which started out its operation with two open area test sites is now even capable of immunity testing with a 10m anechoic chamber built in 1998. JQA facilities are registered to VCCI and accredited by VLAC.

### KEC (Kansai Electronic Industry Development Center) Korai Laboratory

URL: <http://www.kec.co.jp>

Location: 12128, Takeyama-cho, Komatsu-shi, Nagasaki-shu, Japan 830-0101



KEC, accredited to ISO/IEC 17025, is engaged in EMC testing of electronic devices and equipment designed for consumer use, medical and industry use, automobile and aircraft applications by utilizing open air test site and anechoic chambers (5m and 10m). KEC also provides seminar and test services for MARIE certification to foster EMC engineers. KEC was accredited by MRA for EMC testing of in-vehicle equipment at Kashiwa Test Center opened in March 2006. KEC's 10m anechoic chamber has characteristics that clears CALTS evaluation 3, 10dB.













# FY2007 Revenue & Expenditure and FY2008 Budget Plan

Unit: Japanese Yen

## I. Operational revenue and expenditure

### 1. Operational revenue

Items	FY2008 Budget	FY2007 Actual
1. Admission fees	7,650,000	6,954,782
2. Membership fees	263,800,000	264,156,123
3. Service charges		
Sla registration charge	14,440,000	13,631,000
Seminar enrollment charge	5,412,000	5,970,143
Sudohai - Service charges	19,862,000	19,861,143
4. KI Mobile Program participation fees	750,000	300,000
5. Miscellaneous revenue	100,000	172,953
6. Consumption tax collected	9,997,000	9,358,440
<b>Total - Operational revenue (A)</b>	<b>301,159,000</b>	<b>300,743,421</b>

### 2. Operational expenditure

Items	FY2008 Budget	FY2007 Actual
1. Enterprise expenditure		
Labor	58,700,000	40,038,312
Common operational expenditure	58,158,000	60,772,437
Operation support	7,654,000	6,754,573
Periodicals publication	8,640,000	8,839,817
Standards selling	25,325,000	27,867,025
Education and training services	15,753,000	12,973,672
Market surveillance	33,582,000	38,350,450
Overseas studies	13,460,000	12,091,410
Public relations	16,279,000	18,462,187
Sla registration	42,820,000	43,325,000
Sudohai - Enterprise expenditure	280,371,000	289,414,993
2. Administrative expenditure		
Labor	15,650,000	26,987,039
Miscellaneous	10,857,000	20,541,189
Project Corporation	6,357,000	933,334
Sudohai - Administrative expenditure	32,884,000	48,441,543
3. Paid consumption tax	9,050,000	10,862,182
4. Payable collected consumption tax	Δ 63,000	Δ 1,493,742
<b>Total - Operational expenditure (B)</b>	<b>332,222,000</b>	<b>327,214,945</b>
<b>Balance - Operational revenue and expenditure (A) - (B)</b>	<b>Δ 21,069,000</b>	<b>Δ 26,471,524</b>

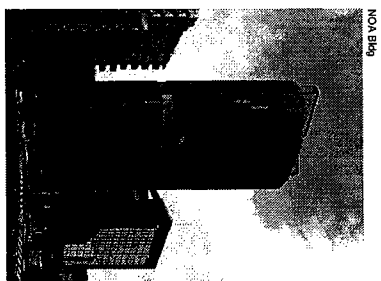
## II. Investment activities revenue and expenditure

### 1. Investment activities revenue and expenditure

Items	FY2008 Budget	FY2007 Actual
1. Investment activities revenue		
(1) Deposit return		2,111,400
Deposit return		
<b>Total - Investment revenue</b>		<b>2,111,400</b>
2. Expenditure on investment activities		
(1) Obtainment of specific assets		
Excess over retirement allowance reserve	2,730,000	3,485,000
Excess over retirement reserve	3,370,000	6,747,500
Bonus reserve	6,984,000	
Subtotal expenditure - obtainment of specific assets	13,064,000	10,202,500
(2) Obtainment of capital assets		
Deposits paid		9,128,760
<b>Total - Investment activities expenditure</b>	<b>13,064,000</b>	<b>19,331,260</b>
<b>Balance - Investment activities revenue and expenditure</b>	<b>Δ 13,064,000</b>	<b>Δ 17,219,560</b>

## III. Financial activities revenue and expenditure

Balance - Financial activities revenue and expenditure		0
Balance - FY2007 (C)	Δ 34,147,000	Δ 43,681,394
Balance certified from FY2006 (D)	209,250,324	252,981,706
Balance to be carried over to FY2008 (C) * (D)	175,103,324	209,250,324



NOA Bldg

**Headquarters**  
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**Participating organizations**  
 Japan Electronics and Information Technology Industries Association (JETTA)  
 Japan Business Machine and Information System Industries Association (JBIMA)  
 Communications and Information network Association of Japan (CIAn)

