

MACアドレス 申請~取得手順

IEEE Registration Authority (RA) IEEE Standard Association

IEEE Registration Authority Webページ http://standards.ieee.org/develop/regauth/index.html

IEEE ジャパン・オフィス Email: ieee-japan@ieee.org Phone: 03-3408-3118



1 1/28/2016

MAC アドレス取得の流れ





MACアドレス: MA-L, MA-M, MA-S

MACアドレスはブロックサイズにより3種類から選びます。

OUI and CID IEEE RA assignment summary

IEEE RA Assignment	Number of IEEE Assigned bits	Block size of EUI-48 (may be used as unique 48-bit addresses)	Block size of EUI-64 (may be used as unique 64-bit addresses)	May be used as a company or organization identifier (Yes/ No)
CID (Company ID)	24	0 (zero)	0 (zero)	Yes (24-bit CID)
MAC Addresses –Large (MA-L)	24	2 ²⁴ (16,777,216)	2 ⁴⁰ (1,099,511,627,776)	Yes (24-bit OUI)
MAC Addresses –Medium (MA-M)	28	2 ²⁰ (1,048,576)	2 ³⁶ (68,719,476,736)	No
MAC Addresses –Small (MA-S)	36	2 ¹² (4096)	2 ²⁸ (268,435,456)	Yes (36-bit OUI-36 only)



オンライン申請・取得手順 入力例:MAC Address Block Large (MA-L)



IEEE Standards Association Registration Authority ウェブページ <u>http://standards.ieee.org/develop/regauth/i</u> <u>ndex.html</u> にて取得するMACアドレスのサイズ (L, Mまたは S)を選びます。 選択したMACアドレスの金額等詳細ページが開きま す。(次ページ参照)

MAC Address Block Large (MA-L)

An MA-L assignment includes an OUI and large blocks of EUI-48 and EUI-64 values which can be used as MAC Addresses, Bluetooth Device Addresses, Ethernet Addresses or object identifiers.

MAC Address Block Medium (MA-M)

An MA-M assignment includes medium blocks of EUI-48 and EUI-64 values which can be used as MAC Addresses, Bluetooth Device Addresses, Ethernet Addresses or object identifiers.

MAC Address Block Small (MA-S)

An MA-S assignment includes an OUI-36 and small blocks of EUI-48 and EUI-64 values which can be used as MAC Addresses, Bluetooth Device Addresses, Ethernet Addresses or object identifiers.



入力例:MAC Address Block Large (MA-L)

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prity programs or registries which maintain lists of unique identifiers ique identifiers to those wishing to register them. The IEEE i unambiguous names to objects in a way which makes the lested parties.

provements: Introducing more user-friendly product names, new products, updated information and support tools. Le

MAC Address Block Large (MA-L)

This product was previously referred to as an OUI (Organizationally Unique Identifier) and is still referred to as such in many standards. OUI is an IEEE Registration Authority (RA) specific term that is referred to in various standards and may be used to identify companies on the IEEE Public Listing. A MA-L assignment includes an OUI and the right to generate various extended identifiers based on that OUI. It is most often used to create IEEE 802defined MAC addresses (EUI-48 and EUI-64).

The OUI included in the MA-L assignment may be appended with 24 organization-supplied bits to form a EUI-48 or 40 organization-supplied bits to form an EUI-64.

The included OUI may also be used to generate EUI-60 (deprecated), CDI-32, TCDI-40, MAC-48 (obsolete term), create multicast addresses (per IEEE Std 802), and as a unique root for various context dependent identifiers. It may also be used as a company identifier in those protocols and protocol standards that specify the use of a 3 octet field as a part of the protocol identification mechanism.

For more information, please see the tutorial "Guidelines for Use of Organizationally Unique Identifiers (OUI) and Company ID (CID)".

Registration Fees

Products	Fees	Total Due
Publicly Registered MA-L (company name & address on the public listing)	US \$2,575	US \$2,575
Privately Registered MA-L (company name and address NOT on the public listing)	US \$2,575 + \$2,980 (privacy fee addition)	US \$5,555
Yearly Confidentiality Renewal Fee* (for privately registered assignments only)	US \$2,980	US \$2,980
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*Effective 5 December 2003, companies requesting confidentiality for assignments are required to pay a fee for privacy. Assignees will also be required to pay an annual fee to faintain confidentiality. Payment options for the renewal fee are credit card, check or <u>wire transfer</u>. IEEE does not accept requests for applicant-specified identifiers.

Application Information

Please search the <u>public listing</u> to determine whether your organization has already been issued an assignment. If so, you may <u>email us</u> to obtain contact information for the assignment.

- Log in or create an account in order to apply for an assignment.
- A tracking number will be sent via email to the applicant. Any questions regarding your application will be sent via email to the primary email address provided at time of application.
- Applications are processed within seven (7) business days from receipt of payment. Be advised that the credit card will be charged once the application is submitted. Assignment details and a Paid Invoice will be available for download once the application is approved.
- 4. Unless otherwise noted, applications are valid for 30 days.
- Since the public listing is updated once every 24 hours, new assignments will not be immediately viewable on the directory.

MA-Lのページです。

まずは、オンラインオーダーに必要な 「IEEE アカウントの作成」をしていただ きます。

ページ内のリンク Log in or create an account を開いてください。

※ このアカウントは、IEEE アカウント と共通です。既にお持ちの方は本ガイド の6ページにあるようにサインインをし てください。



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アカウント作成、 およびアカウントへのサインインページ

IEEE STANDARDS ASSOCIATION		
Registration Authority S	Sign In	新規にアカウントを作る方は、 こちらをクリック。
Username: kikaku@ieee.org Password:	New users, cr	reate your free IEEE account > ame or password ?
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新規アカウント作成: ***印**の項目(必須項目)を入力してください。 最後にCreate Account をクリック。

これでアカウント作成が完了し、ご自身のアカウントページに移動します(次ページ参照)

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arch IEEE 🕅	Provide your personal information	Enter e-mail address & passw	ord	. 12
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アカウントページ

IEEE.org | IEEE Xplore Digital Library | IEEE Standards | IEEE Spectrum | More Sites

IEEE STANDARDS ASSOCIATION

Registration Authority - Registry Profile



アカウントが作成され、IEEE ウェブページにサインインしてい る状態です。

Welcome, Meiko Kajikawa -

Welcome OOOO
アカウントの氏名が表示されます。

② アカウントの氏名およびメー ルアドレスが表示されます。

③ "Assignments"
MACアドレスを取得すると、
このフォルダーにAssignmentが保存されます。

④ "Place a Registry Order" をクリックし、
MACアドレスの取得申請に進んでください。



Assignment を選択

取得を希望するAssignmentを選択しクリックすると、オンライン申請フォームに移動します。 (次ページ参照)

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	Select Assignment Type
	Please select the assignment that best suits the needs of your organization at this time.
egistration A	MAC Address Block Large (MA-L)
	MAC Address Block Medium (MA-M)
Welcome to your re	MAC Address Block Small (MA-S)
A CONTRACTOR OF	Company ID (CID)
PROFILE	Ethertype
Meiko Kajikawa	Manufacturer ID (MANID)
imail:	IEEE 802.16 Operator ID
ne(ko kaj kawa@lee	
ontact#	1 Cancel
les acculdad	
NCCEPTONIO20	
OPGANIZATION	IEEE offers Registration Authority programs or registries which maintain lists of unique Identifiers under standards and issue unique Identifiers to those wishing to register the
o onemittention	IEEE Registration Authority assigns unambiguous names to objects in a way which make

オンライン申請フォーム入力

* 印の項目(企業・団体の情報)を入力し、 Next をクリック。

nyeicec.org			1.0.0	
PROVIDE ORGANIZATION	N INFO:	SPECIFY CO	DNTACT:	
Company Name*		Relation	ship *	
XYZ Corporation	×	Employee	•	
Country*		Title		
Japan	*	Enter Title		
Street Address*		One Time (CC Email Address	
1-1-1 Minamiaoyama		Enter CC Er	mail Address	
City*		Phone No		
Minato-ku		-81 3 340	8 3118	
State/Province				
2				



Registries ページ



Registries ページ (Confidentiality を選択する場合)

entifiers. Assignments are public unless specifically requi thority@ieee.org	ested otherwise. For as	sistance with your applica	ation, please contact us @ ieee-re	egistrat	ion ²	
REGISTRIES						
Select Registry*	MAC Address Bloc	k Large (MA-L)	COST OF SERVICE			
MAC Address Block Large (MA-L)	An MA-L assignme large blocks of EU	ent includes an OUI and I-48 and EUI-64 values	Service	Qty	Cost	
Assignment Quantity *	which can be used Bluetooth Device	as MAC Addresses. Addresses, Ethernet	MAC Address Block Large	1	\$2,575	
Enter Number of assignments	Addresses or obje	ct identifiers.	(MA-L)			
Confidentiality of Public Listing *	Registration Fees		Confidentiality		\$2,980	
Yes 💿 No	Product	Fees	Total Cost		\$5,555	
Public Listing Justification*	Publicly Registered	US\$ 2,575				
Enter Justification for public listing	Privately Registered	US\$ 2,575 + US\$ 2,980]			
	Confidentiality Renewal	US\$ 2,980 / Year	御社名をPr	iva	tely	Registered (Public
	This organization is for a maximum of	authorized to request 1) assignment(s) at a	listing に載 選択します。	むせ	ない)にする場合には、Yes る
	corres.		Justificatio	, on	(理E	由)をご入力ください。
ADDITIONAL COMMENTS						
Justification for additional assignments, Notes to Appro- etc	ver,		※ 料金が	異な	いま	すのでご注意ください

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支払い方法の入力ページ (Credit Card/Wire Transfer/Check/Purchase Order)

支払方法を選択します。 クレジットカード、海外送金(Wire Transfer)、小切手(Check)または 請求書によるお支払い(Purchase Order) が利用できます。

※ MACアドレスのお渡しはIEEE米国本部にてご入金確認後約7営業日以内となります。

YMENT METHOD				
Select Type	•	COST OF SERVICE		
Select Type Credit Card		Service	Qty	Cost
Wire Transfer Check Purchase Order	-	MAC Address Block Large (MA-L)	e 1	\$2,575
		Total Cost		\$2,575

Credit Card(クレジットカード)の場合

Organization Informat	ion Select Reg	istry Enter P	ayment Preference Rev	riew & Submit Request	支払いに使用するクレジット
Please supply and review identifiers. Assignments authority@ieee.org	v the information below are public unless spec	w in order to submit ifically requested oth	your request. Please note that I ierwise. For assistance with you	EEE does not honor requests for applicant-specified r application, please contact us @ ieee-registration-	クロビーを用するフレンフト カード情報を入力。
PAYMENT METHOD					
Credit Card		•		COST OF SERVICE Service Qty Cost	COST OF SERVICE で金額を 再度ご確認ください。
Card Details				MAC Address Block Large 1 \$2,575	
Card Type*	Card Type	•		(MA-L)	
Card Holder Name*	Card Holder's Name			Total Cost \$2,575	
Card Number*	Credit Card Number				$\lambda = \frac{1}{2} + $
Security Code*	Security Code	What is this?			
Expiry Date*	Month	Year	•		中請も又払い内谷の確認
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Address*	Enter Address			※ クレジットカー	ドはオンライン申込み時に即日決済されます。
Country*	Select Country				
City*	Enter City				
State	Select State				
Zip/Postal Code*	Zip code				
ADDITIONAL COMME	INTS				
Notes to Approver					
14 Back	Next				Advancing Technology



Wire Transfer(海外送金)の場合

Organization Information Select Registry Enter Payment Preference **Review & Submit Request** Cancel Please supply and review the information below in order to submit your request. Please note that IEEE does not honor requests for applicant-specified identifiers. Assignments are public unless specifically requested otherwise. For assistance with your application, please contact us @ ieee-registrationauthority@ieee.org PAYMENT METHOD COST OF SERVICE Wire Transfer Service Qty Cost Please wire assignment fee as well as \$20 bank fee to: MAC Address Block Large 1 \$2,575 Bank Name: Wells Fargo 送金先銀行情報 (MA-L) Bank Address: 123 South Broad Street Philledelphia, PA 19109 USA Wire Transfer Fee \$20 ABA or R/T Number: 121000248 Account Number: 2011306738416 Total Cost \$2,595 Account Name: IEEE S.W.I.F.T. Address: WFBIUS65 ADDITIONAL COMMENTS ※送金手続きの際には、MACアドレス取得費用に加え、 送金にかかる手数料(Wire Transfer Fee)として別途 US\$20.00を合わせた金額を送金ください。 COST OF SERVICE で金額を今一度ご確認ください。 官しければ Next をクリック。 お申込み内容の確認ページに移動します。 Advancing Technology 15 for Humanity

Check(小切手)の場合

Organization Information	Select Registry	Enter Payment Preference	Review & Submit Reque	st 📊 🖬 Car	ncel
Nease supply and review the inf dentifiers. Assignments are put authority@ieee.org	formation below in ord blic unless specifically re	er to submit your request. Please no equested otherwise. For assistance v	te that IEEE does not honor re vith your application, please co	equests for applicant-spe ontact us @ ieee-registra	ecified tion-
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IEEE Registration Authority	o the feet negistratio	n Additionly and main to the addre	MAC Addr (MA-L)	ess Block Large 1	\$2,57
IEEE Standards Department			Total Cost		\$2,57
445 Hoes Lane			-		
Piscataway NJ 08854		小切手でお	支払いの場合(こはCheck	を

ADDITIONAL COMMENTS

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小切手でお支払いの場合にはCheck を選択し、Next をクリックしてください。

※ 小切手宛名: IEEE REGISTRATION AUTHORITY

※ 小切手番号を<u>ieee-registration-authority@ieee.org</u> 宛に メールでお知らせください。



Purchase Order(請求書によるお払い)の場合

lentifiers. Assignments are put uthority@ieee.org	alic unless specifically re	equested otherwise. For assistance w	ith your application, please contact us @ ieee	registrati	ion-
PAYMENT METHOD					
Purchase Order	•		COST OF SERVICE		
			Service	Qty	Cos
If you have a PO available, plea authority@ieee.org after com	se attach it. Othenwise, pleting the registration	email it to ieee-registration-	MAC Address Block Large (MA-L)	1	\$2,57
Attach PO			Total Cost		\$2,57
You will also be required to sub	omit a credit application	IEEEファイナンス	、チームによる審査が必	要で	す。

お手数ですが、

Credit Application(<u>https://standards.ieee.org/regauth-bin/application?rt=CREDIT</u>) にご記入の上,ご注文書とともに <u>ieee-registration-authority@ieee.org</u> 宛にメールでご提出くだ さい。



Next

お申込み内容確認ページ

Organization Information

Select Registry Enter Payment Preference

Review & Submit Request

🔒 Cancel

Please supply and review the information below in order to submit your request. Please note that IEEE does not honor requests for applicant-specified identifiers. Assignments are public unless specifically requested otherwise. For assistance with your application, please contact us @ ieee-registration-authority@ieee.org

Please confirm the information below is correct. Please click Place Order to place your order or Update to edit.

O COMPANY INFORMATION PAYMENT INFORMATION XYZ Corporation Payment Method : Wire Transfer 1-1-1 Minamiaoyama Wire Transfer To: Minato-ku, Tokyo 107-0023 Bank Name: Wells Fargo JP. Bank Address: 123 South Broad Street Philledelphia, PA 19109 USA Alt E-Mail: Not provided ABA or R/T Number: 121000248 Alt Phone:+81 3 3408 3118 Account Number: 2011306738416 Account Name: IEEE S.W.I.F.T. Address: WFBIUS6S ORDER DETAILS Selected Registry : MAC Address Block Large (MA-L) Number of Assignments : 1 Public Listing Address : 1-1-1 Minamiaoyama Minato-ku, Tokyo 107-0023 IP Unit Price Service Quantity Cost MAC Address Block Large (MA-L) \$2,575 \$ 2,575 Wire Transfer Fee \$20 Total Cost \$2,595 I accept the Terms and Conditions Place Order

購入条件:Terms and Conditions に同意の上☑をいれ てください。

訂正が必要な場合には Update をクリックして前画面に戻ります。

これで全て宜しければ Place Order をクリックして申請完了 です。



Order Confirmation (ご注文確定)画面

IEEE STANDARDS ASSOCIATION IEE 🔒 Home 申請が完了し、<u>Tracking番号</u>が Thank you for your application. Please reference tracking # RA1444760304 in all correspondence. Once payment has been received, your application will be reviewed and if approved, a notification will be emailed to you within seven (7) 表示されます。 US working days. お問合せの際にはこの番号をご **O COMPANY INFORMATION** PAYMENT INFORMATION. 参照ください。 SA IEEE Payment Method : Wire Transfer 445 Hoes Lane Wire Transfer To: Piscataway, NJ 08450 Bank Name: Well's Fargo US Bank Address: 123 South Broad Street Philledelphia, PA 19109 USA Alt E-Mail: Not provided ABA or R/T Number: 121000248 Alt Phone:7324656421 Account Number: 2011306738416 Account Name: IEEE S.W.I.F.T. Address: WFBIUS65 ORDER DETAILS Selected Registry : MAC Address Block Large (MA-L) Number of Assignments : 1 Public Listing Address : 445 Hoes Lane Piscataway, NJ 08450 US Service Quantity Unit Price Cost MAC Address Block Large (MA-L) 1 \$2,575 \$ 2,575 Invoiceはこちらから印刷できます。 Wire Transfer Fee \$20 Total Cost \$2,595 🔒 Home 🚔 Print Invoice

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申請内容や状況を確認するには・・・

Registration Authority - Registry Profile



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MAC アドレス のお届け (Assignment書類の入手)

Registration Authority - Registry Profile





MAC アドレス のお届け (メールによるお知らせ)

Month-Day, Year



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Attn: KIKAKU TARO XYZ Corporation 1-1-1 Minami-aoyama Minato-ku, Tokyo 107-0023 JP

Please take a moment to verify that the information contained in the company addressed area (above) is correct. If it is not entirely correct, please notify the IEEE Registration Authority (IEEE RA) immediately.

Following is the MAC Address Block Medium (MA-M) assignment that you have requested from the IEEE. Your MA-M assignment includes blocks of 48-bit Extended Unique Identifier (EUI-48) and 64-bit Extended Unique Identifier (EUI-64). EUI-48 and EUI-64 identifiers may be used as IEEE 802-defined MAC addresses of EUI length respectively.

The base value of your MA-M assignment may also be used to generate unique multicast addresses (per IEEE Std 802). This 28-bit identifier is unique to the assignee, but there is no definition of an OUI-28 identifier. The assignee of the MA-M cannot make any assumptions about the first 24 bits of the assigned 28 bits, and may not use those 24 bits as an OUI because that OUI is assigned to the IEEE Registration Authority for use in MA-M Assignments.

The user tutorials on our web site describe how the MA-S assignment can be used in conjunction with a number of standards and specifications. This assignment applies to all of these. The tutorials can be found on the web at: http://standards.ieee.org/develop/regauth/tut/index.html (http://standards.ieee.org/develop/regauth/tut/index.html)

Your MA-M assignment is:

28-bit Base Value AA-BB-CC-0

Issue date is: Invoice Number: 0-00-00 through F-FF-FF Month-Day, Year

RA0000000000

EUI-48 Address Block

It should be stressed that the IEEE Registration Authority has made every effort to ensure that <u>the same</u> numbers are not assigned to any other entity but does not guarantee that duplicate assignments have IEEE米国本部で申請者様からのご入金が 確認されると、7営業日以内にMACアドレス が発行され(これを MAC Address Assignment と言います)、メールでお知し らせします。

メールに記載の手順に従い、申請者様の IEEE アカウントにサインインし、左記のよう なAssignment 書類をご確認・ダウンロード できます。

以上でMACアドレス取得完了です。

