

# MACアドレス 申請~取得手順

# IEEE Registration Authority (RA) IEEE Standard Association

https://standards.ieee.org/products-services/regauth/index.html IEEE ジャパン・オフィス Email: ieee-japan@ieee.org Phone: 03-3408-3118



#### MAC アドレス取得の流れ

取得するMAC Addressの種類(L、M、S)を選択

IEEEアカウントを作成

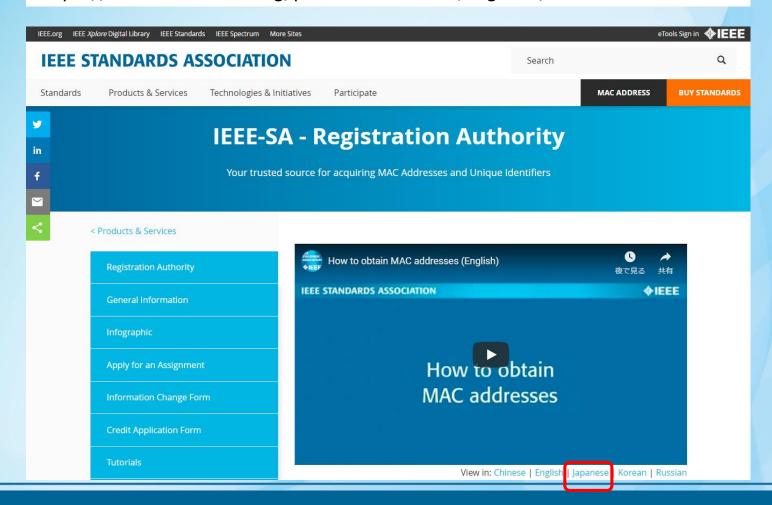
オンラインにて申請・お支払 (クレジットカード/海外送金/小切手)

## MAC アドレス取得

※IEEEでご入金確認後、約7営業日内にアカウントのフォルダーにお届けします。

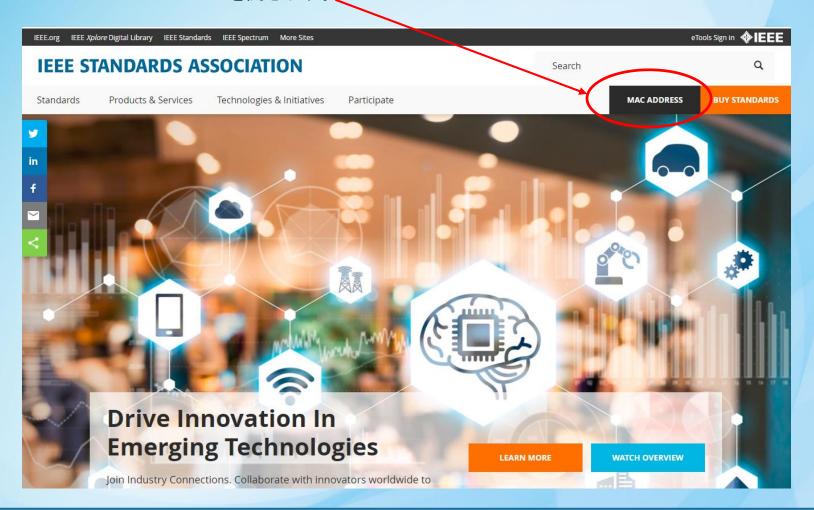


MACアドレス申請から取得までの流れを動画(日本語)でご覧いただけます。 https://standards.ieee.org/products-services/regauth/index.html



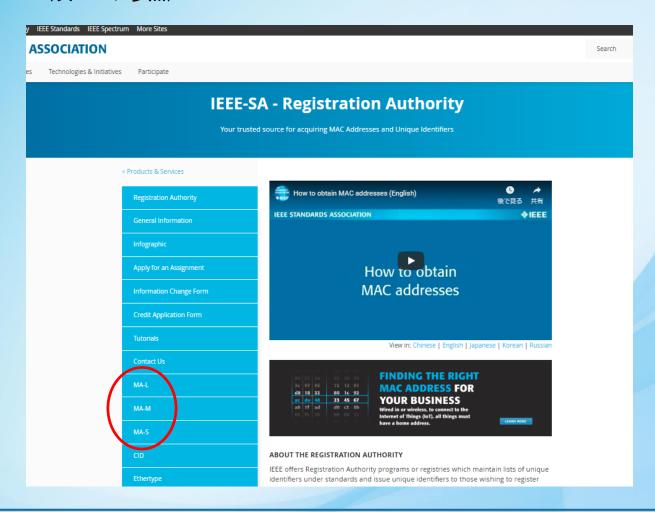


IEEE Standards Association(https://standards.ieee.org/)トップページから MAC ADDRESS ページを開きます。





# MAC Address はブロックサイズにより3種類: MA-L、MA-M、MA-S あります。 (次ページ参照)





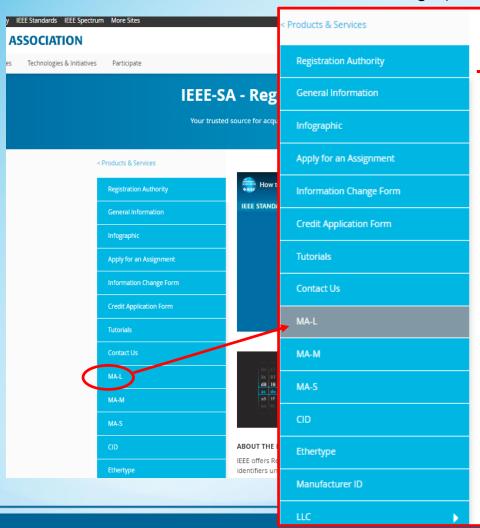
MACアドレス: MA-L, MA-M, MA-S

## 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 <sup>24</sup> (16,777,216)	2 <sup>40</sup> (1,099,511,627,776)	Yes (24-bit OUI)
MAC Addresses –Medium (MA-M)	28	2 <sup>20</sup> (1,048,576)	2 <sup>36</sup> (68,719,476,736)	No
MAC Addresses –Small (MA-S)	36	2 <sup>12</sup> (4096)	2 <sup>28</sup> (268,435,456)	Yes (36-bit OUI-36 only)



## 例)MA-Lを申請する場合。 MA-Lを選択するとMAC Address Block Large (MA-L) ページに移動します。



Chinese (PDF) | Japanese (PDF) | Korean (PDF) | Russian (PDF)

#### 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 802-defined MAC addresses (EUI-48 and EUI-64).

The OUI included in the MA-L assignment may be appended with 24 organizationsupplied 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.

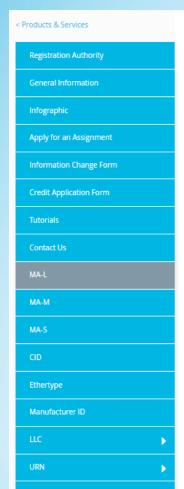
For more information, please see the tutorial "Guidelines for Use of Organizationally Unique Identifiers (OUI) and Company ID (CID)".

#### **Registration Fees**

Products	Fees	
One Time Fees		
Publicly Registered MA-L (Company name & address will be displayed on the IEEE public listing)	US \$2,905	
Contract Fee (Optional)	US \$200	
Optional Recurring Fees		
Yearly Confidentiality Renewal Fee* (Company name & address will *not* be displayed on the IEEE public listing)	US \$3,360	



#### Japanese(PDF)をクリックしますと、MA-Lについての日本語説明が開きます、ご一読ください。



Chinese (PDF) | Japanese (PDF) | Korean (PDF) | Russian (PDF)

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\*Assignees will also be required to pay an annual fee to maintain confidentiality. Payment options for the renewal fee are credit card, check or wire transfer. IEEE does not accept requests for applicant-specified identifiers.

#### MAC アドレス取得料金

Contract Fee: お客様がMACアドレスを取得する事が明記され、IEEE財務部の署名と捺印がされた契約書です。海外送金/小切手/注文書によるお支払いに際しご依頼に応じて発行・発送(DHL)いたします。

Yearly Confidentiality Renewal Fee: 取得したMACアドレスを公開リストに 掲載したくない場合には Confidentiality Fee がかかります。ま た、これは毎年更新・お支払いいただ く必要があります。



## 手順(例) MAC Address Block Large (MA-L)

Registration Authority	_
General Information	
Infographic	
Apply for an Assignment	
Information Change Form	
Credit Application Form	
Tutorials	
Contact Us	
MA-L	
MA-M	
MA-S	
CID	
Ethertype	
Manufacturer ID	
LLC	•
URN	•
TDL	•
PSID	•
IEEE 802.16 Operator ID	
Standard Group MAC Address	

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#### Application Information

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

Log in or create an account

in order to apply for an assignment.

2 A tracking number will be sent via email to the applicant. Any questions regarding

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。

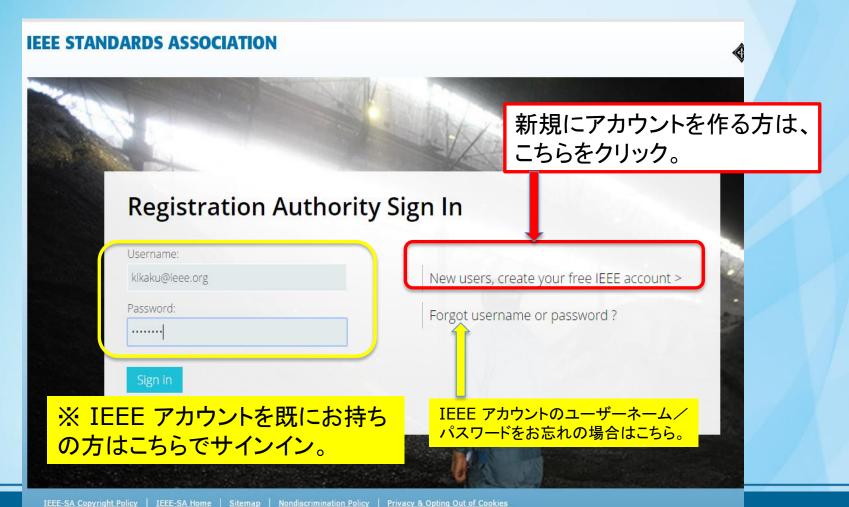
## ページ内のリンク

<u>Log in or create an account</u> 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8ページにあるようにサインインをしてください。

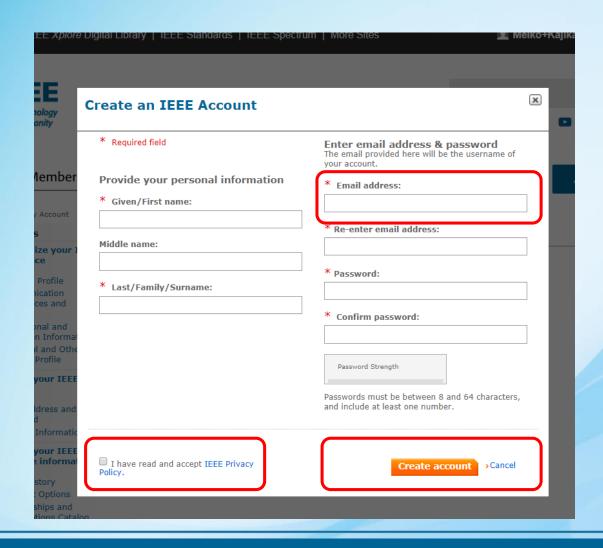


### アカウント作成/アカウントへのサインインページ





### 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。



E-mail addressが アカウントのユーザー ネームになります。

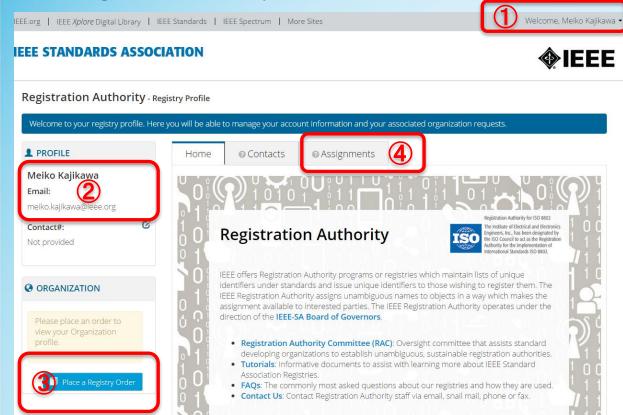
IEEE Privacy Policy をご一読の上同意の☑

最後にCreate Account をクリック。

これでアカウント作成が 完了し、Registration Authority のページに 移動します。



## Registration Authority上のアカウントページ



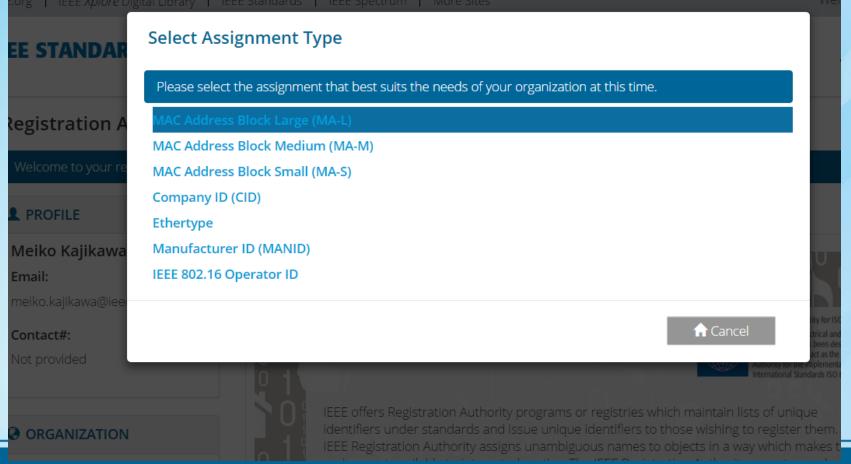
アカウントが作成され、IEEE ウェブページにサインインしてい る状態です。

- Welcome 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 "Place a RegistryOrder" をクリックし、MACアドレスの取得申請に進んでください。(次ページ参照)
- ④ "Assignments" MACアドレスを取得すると、このフォルダーにAssignment 書類が届きます。



#### Assignment を選択

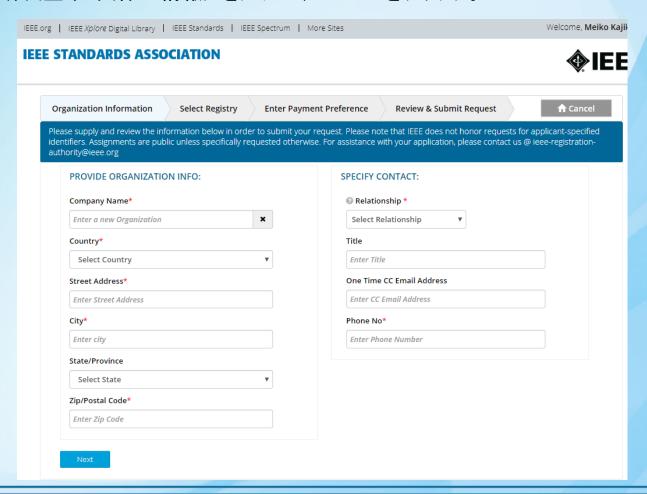
取得を希望するAssignment を選択しクリックすると、オンライン申請フォームに移動します。





## オンライン申請フォーム入力

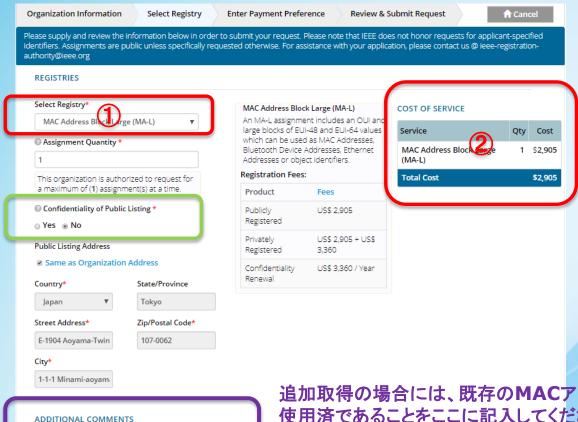
\* 印の項目(企業・団体の情報)を入力し、 Next をクリック。







Justification for additional assignments, Notes to Approver,



- ① 取得するMACアドレスを選 択
- ② 取得するMACアドレスの料 金をご確認ください

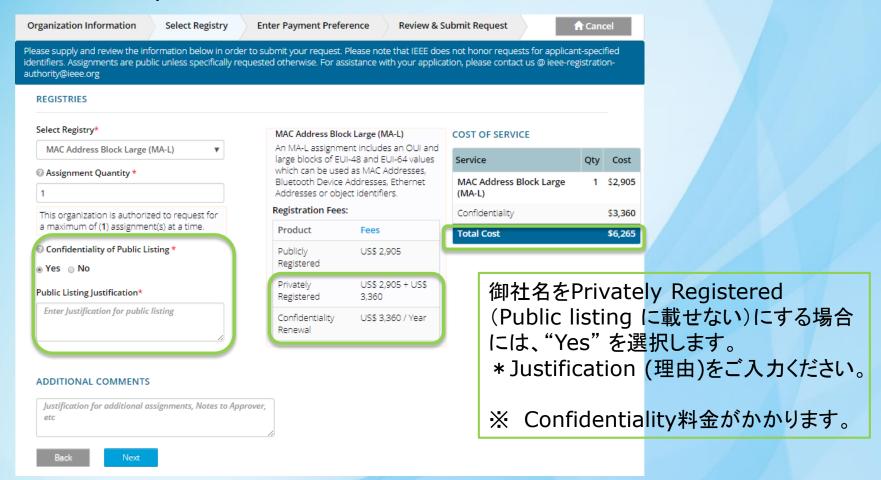
御社名をPublic listing に載せる場合は "No" です

追加取得の場合には、既存のMACアドレスを95%以上 使用済であることをここに記入してください

入力したら Next をクリック



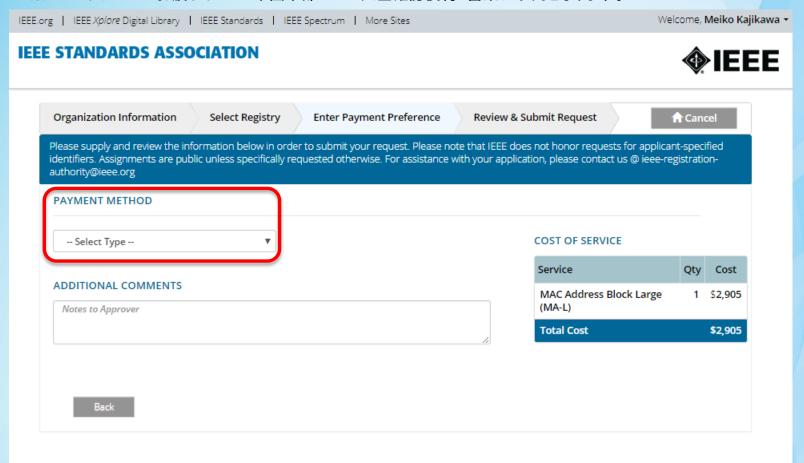
## Registries ページ (Confidentiality を選択する場合)





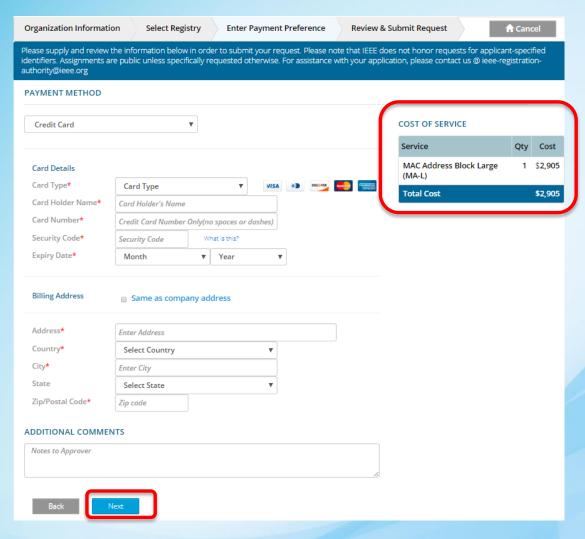
#### 支払方法を選択します:

- クレジットカード、海外送金(Wire Transfer)または小切手(Check)
- ※ 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。





#### Credit Card (クレジットカード) の場合 ※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。



支払いに使用するクレジット カード情報を入力。

COST OF SERVICE で 金額を再度ご確認ください。

入力しましたら Next をクリック。 申請・お支払い内容の確認 ページに移動します。

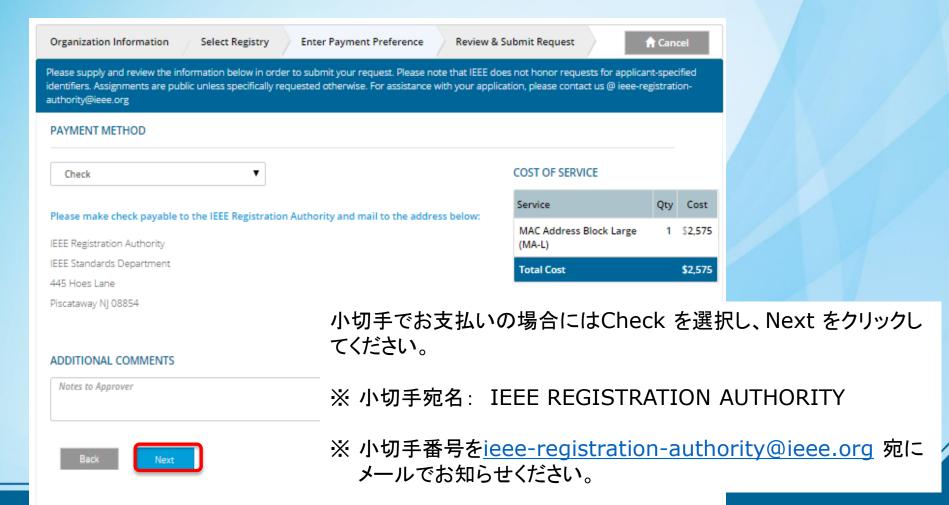


#### Wire Transfer (海外送金) の場合



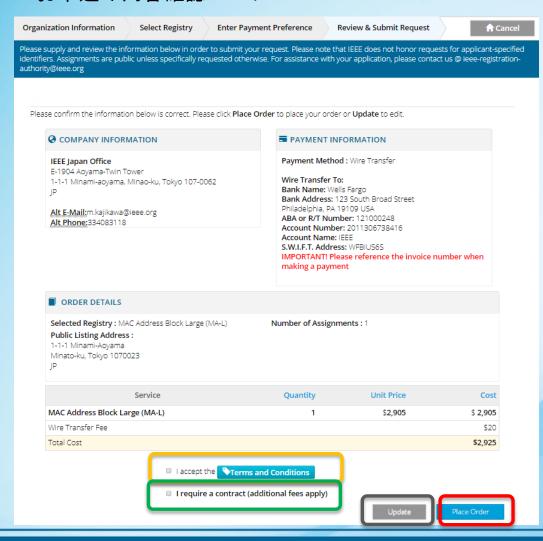


#### Check(小切手)の場合





#### お申込み内容確認ページ



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。

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

海外送金・小切手によるお支払いに際し "Contract"が必要な場合には☑をいれてくだ さい。※ 別途\$200 申し受けます。

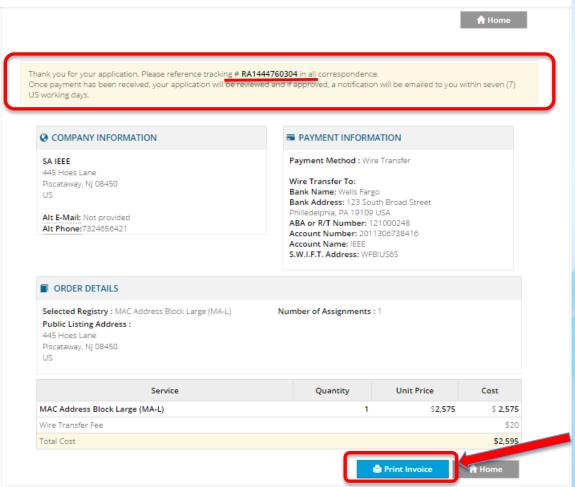
これで全て宜しければ Place Order をクリックして申請完了です。



#### Order Confirmation (ご注文確定) 画面

#### **IEEE STANDARDS ASSOCIATION**





申請が完了し、Tracking番号が表示されます。 お問合せの際にはこの番号を ご参照ください。

Invoiceはこちらから印刷できます。 (Invoiceサンプルは次ページ参照)



#### Proforma Invoice の入手







#### INVOICE

February 20, 2019

Attn: Meiko Kajikawa IEEE Japan Office 1·1·1 Minami-aoyama, Minato-u Tokyo 107·0062 Japan

Tracking# B3X48002XXXX

Re: IEEE Assignment of a MA-L (IEEE MAC Address Large) Assignment

Fee \$2,905.00(US dollars)

\*\* Wire Transfer Bank's fee 20.00 \$665.00

If Paying via Wire Transfer: Wells Fargo 123 South Broad Street Philadelphia, PA 19109 USA ABA or R/T Number: 211000248 Account Number: 2011306738416 Account Name: IEEE S.W.I.F.T. Address: WFBIUS6S If Paying via Check Please mail payment to: IEEE Registration Authority IEEE Standards Department 445 Hoes Lane Piscataway NJ 08854

Angela N. Thomas
IEEE Registration Authority

The Institute of Electrical and Electronics Engineers, Inc.

445 Hoes Lane \* Piscalaway NJ 08854-4141, USA \* Phone +1 732 562 3813 \* Fax +1 732 562 1571 \* standards.leee.org/



#### 申請内容や状況を確認するには・・・





#### MAC アドレス のお届け(メールによるお知らせ)

Sep 12, 2015

The Institute of Electrical and Electronic Uniquees; Inc., Insi Deen delignated by the 150 Council to act as the Registration Authority for the implementation of the Institute of Unique Electric Unique Electronic Unique



Attn:RYOICHI YOKOTA

HINO ENGINEERING, INC.

60-7 Takakuramachi

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

formation 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

84-39-BE-0

EUI-48 Address Block

0-00-00 through F-FF-FF

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

EUI-48 Address Block 0-00-00 through F-FF-FF

It should be stressed that the IEEE Registration Aut Month-Day, Year fort to ensure that the same numbers are not assigned to any other entity but a RA0000000000

uplicate 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 が発行されます。(これを MAC Address Assignment と言います)

メールでお知らせが届きましたら、メールに記 載の手順に従い、IEEE アカウントにサイン インしてください。

Assignmentsフォルダーで左記のような MAC Address Assignment 書類をダウン ロードできます。(次ページ参照)



## MAC アドレス のお届け(Assignment書類の入手)

