



# 认证专题

2020.11

## A collection of icons representing various smart home and IoT devices. The icons include a computer monitor, a smartphone, a tablet, a smart thermostat showing 20°C, a smart light bulb, a smart plug, and a smart lock. The devices are interconnected by lines, suggesting a networked smart home environment.

## 1 认证概述

## 2 标准认证

### 3 相似性认证

## 4 认证转让计划



# 认证概述

# 为何做认证？

- 来自独立第三方明确的互操作性证明
- 与多个世界领先品牌产品互操作
- 认证产品能进入相应技术标准的大生态圈，降低入市门槛
- 在联盟官网的认证产品清单上列名
- 使用专有的Zigbee认证标志助力产品营销
- 参与联盟认证产品展示活动



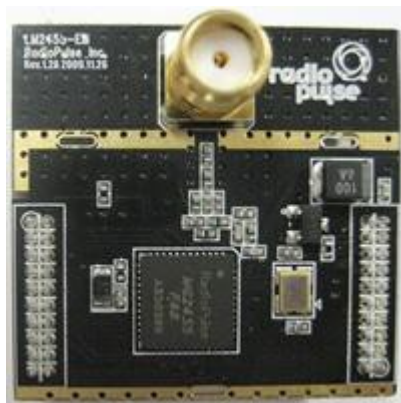
# 成熟认证程序

- 遵循国际认证标准，对标ISO 65号指南 “对经营产品认证系统的组织的一般要求”
- 保持测试和认证的独立
  - 测试由独立测试服务提供商负责
  - 认证仅由Zigbee联盟负责



# 认证类型 Zigbee兼容平台

- 针对Zigbee联盟规定的物理层、媒体控制层和网络层技术规范认证程序
- 认证无线电收发器和网络协议栈软件的组合
- 测试协议底层软件功能：数据链路层、网络层、传输层和会话层



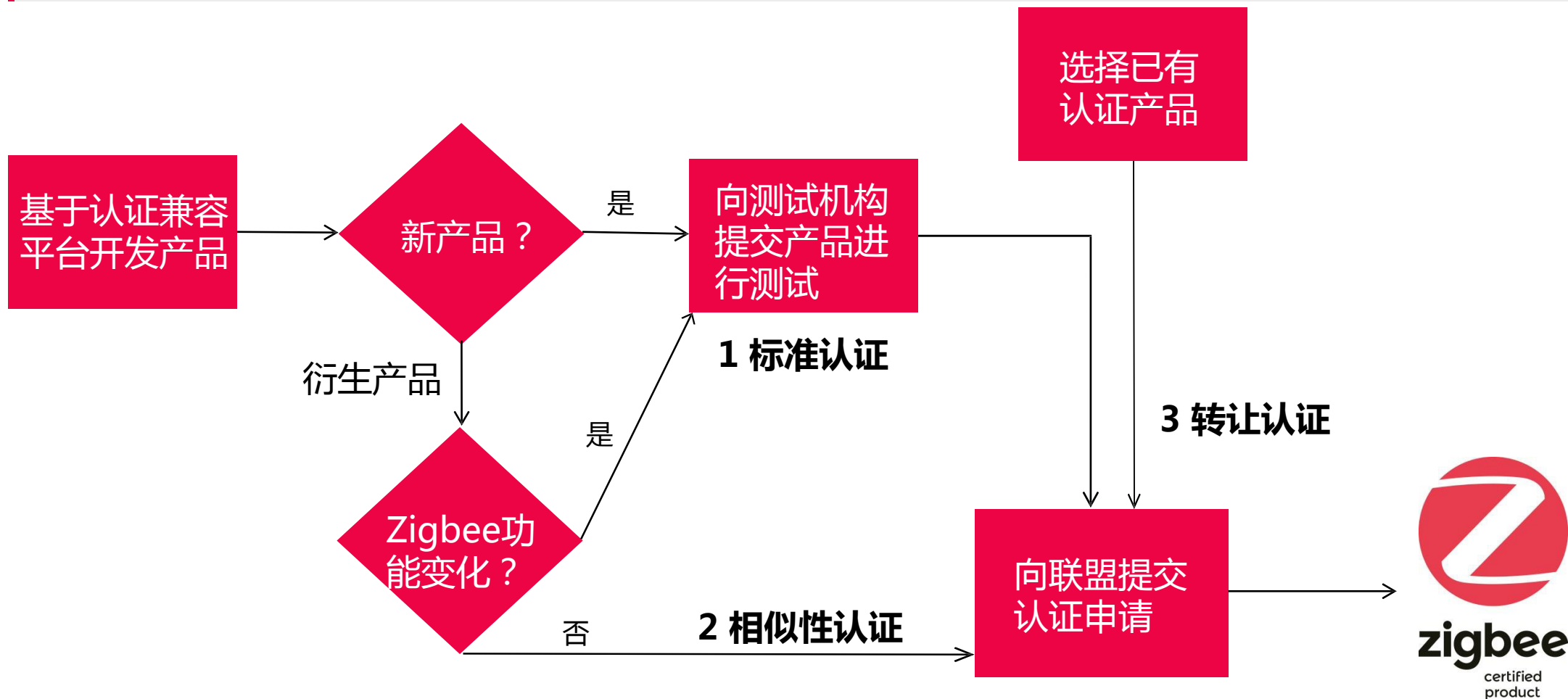
**zigbee alliance**

# 认证类型 Zigbee认证产品

- 针对Zigbee联盟规定的应用层技术规范的认证程序（终端产品）
- 认证终端产品
  - 基于Zigbee兼容平台
  - 包括各种设备类型，如家用电器、照明产品和计量仪器等
- 测试协议上层
  - 表示层和应用层
  - 该设备类型的相应功能



# 三种获得认证的途径





# 仅联盟成员可以获得认证

## 认证相关费用一览

\*测试机构费用未包含

	参与者/推动者成员 Participant/Promoter	采纳者成员 Adopter	准成员 Associate
成员年费	USD 15,000/USD 75,000	USD7,000	0
标准认证	USD 1,000	USD 1,000	N/A
相似性认证	USD 500	USD 500	N/A
出让产品认证	0	N/A	N/A
受让产品认证	USD 500	USD 500	USD 500
官网认证列名	0	0	USD 500 per year

# 如何成为联盟成员

- **参与者/采纳者成员**：[官网说明及表格下载](#)  
选择成员级别 – 提交申请表及成员协议 – 支付成员费
- **准成员**：登录专用的[准成员认证网页工具](#)，按照首次使用者指南操作
- 现有采纳者成员也可随时升级为参与者成员





# 标准认证

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# 产品开发——选择经认证的Zigbee兼容平台

Zigbee具有广泛业内支持，19家供应商已推出200多款支持Zigbee 3.0的Zigbee兼容平台 (Zigbee Compliant Platform)。如果选择的是Zigbee模块产品开发产品，可与模块厂商确认相应的认证兼容平台型号

Silicon Labs	Exegin Technologies, Ltd.
NXP Semiconductors	Nordic Semiconductor ASA
Texas Instruments, Inc.	Qualcomm Technologies Inc.
Microchip Technology	STMicroelectronics SAS
Qorvo	Telink Micro LLC
Elster Solutions, LLC	Cypress Semiconductor Corp.
DSR Corporation	Samsung Electronics Co., Ltd.



# 选择授权测试服务提供商

Zigbee设备的测试可以在七家授权测试服务提供商中任意一家进行，他们在世界各地都有测试机构。



中国测试实验室联系方式：

**北京**

CESI 吴行宇 <wuxy@cesi.cn>

**深圳**

Element: 汪圆 <yuan.wang@element.com>

TUV: 侯晓薇 <Winnie.hou@tuv.com>

**上海**

TUV: Elliot Zhang <elliot.zhang@tuv.com>

**zigbee alliance**

# 向联盟提交认证申请

测试完成后，联盟成员可以通过联盟的网页认证工具提交认证申请。联盟会审核提交的材料并作出决定。

获得通过的产品可以使用认证标志，

**加入由全球超过5亿已部署的Zigbee产品组成的生态圈，并确信能与其他认证产品互操作。**



**zigbee**  
certified  
product

**zigbee alliance**

# 开立认证账户

测试完成后，测试机构直接向联盟发送测试报告，联盟成员可以通过联盟的[网页认证工具](#)建立认证账户

账户由联盟认证部门审批，主要确保申请账户的邮件域名与成员公司域名相同，因为时差处理需要1-2天，通过后登录账户就可提交认证申请。

Tips: 网页工具有时在中国大陆无法正常打开，建议尝试不同宽带服务商或者使用VPN工具

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## Welcome to the Zigbee Alliance Certification Web Tool

Enter your email address and password to login.

By login in, you are confirming that you have read and agree to the Zigbee Alliance Terms of Use and Privacy Policy found in <http://www.zigbee.org/zigbeealliance/governing-documents/>

Email Address

Password (forgot?)

☐ Remember me

Sign In

Need an account?

[Sign Up](#)

# 提交认证申请

## Welcome to your Zigbee Certification Web Tool Dashboard

Use the buttons below add a product or to see products in various stages of the certification process.

Add New Product Application

Add a Certification Transfer Application

Add Certification by Similarity Application

View Applications Awaiting Payment

View Approved Products

View InReview Applications

Suspended/Failed Applications

## Incomplete (saved) New Product Certification Applications

Below is a listing of applications you have started for new product certifications but which have not yet been submitted for processing by the Alliance.

Product Name	Product Type	Product Short Description	Current Status	Date Created	Application ID	Edit Application	Delete Application
No Data							

## Incomplete (saved) Certification by Similarity Applications

Below is a listing of certification by similarity applications you have started but which have not yet been submitted for processing by the Alliance.

Product Name	Product Type	Product Short Description	Current Status	Date Created	Application ID	Edit Application	Delete Application
No Data							

## Incomplete (saved) Certification Transfer Applications

Below is a listing of applications you have started for certification transfer but which have not yet been submitted for processing by the Alliance.

- 三种认证的申请均在此提交；
- 相似性认证和转让认证（此处指接受转让）无需测试机构提交测试报告；
- 认证人员可在此页面查询提交认证项目的状态



# 标准认证申请需提交的信息

## zigbee alliance

[Zigbee Certified Products Dashboard](#) → [Add New Product Application](#)

[Account Settings](#) - [Log Out](#)

### Add New Product Application

Complete the form below to create a new application for product certification. Fields marked with a \* are required entries that must be complete before you can save or submit your application.

Product Name \*

Product Short Description \*

Up to 255 characters.

Product Long Description \*

Product Link URL

Product Image

[选择文件](#) 未选择任何文件

Approved For Web

Date Product can be Displayed \*

11/03/2020

If you would like the Alliance to delay displaying your product on its public site until a future date, please enter the appropriate date here. NOTE: Your product will be displayed on the Alliance's public site on the date specified.

Product Type \*

End Product

Select whether your a product is seeking Compliant Platform or End Product certification.

Has your product completed optional TIS/TRP testing?

No

Select YES if you product has successfully completed TIS/TRP testing against the Zigbee Alliance specifications. If you have completed TIS/TRP testing, please have your test house send the report to [certification@zigbee.org](mailto:certification@zigbee.org)

Application Type

Select

Selected the appropriate Application Standard you are seeking your product to be certified under.

Application Type Version

Select

Select the appropriate version of the Application Standard you are seeking certification under. Note: You must select an Application Type before the appropriate options are available for Application Type

Compliant Platform

Type to search

Indicate the ZigBee Compliant Platform being used in your product. You may need to check with your platform provider for the appropriate name their platform(s) are listed under.

Firmware Version \*

Hardware Version \*

SKU

Enter the product's SKU. If none exists, enter N/A.

Technical Category

Select...

Parent Functional Categories

Select...

Your Company \*

Submit for processing

No. Just save my work

Indicate whether you just want to save your work or if you are ready to submit your application for processing.

Declaration of Conformance Document

[选择文件](#) 未选择任何文件

PICS Document

[选择文件](#) 未选择任何文件

Supplemental PICS Document

[选择文件](#) 未选择任何文件

If you have a secondary PICS document (e.g., OTA PICS) as part of your application, please load it here.

External Certificate

[选择文件](#) 未选择任何文件

Examples: PHY/MAC Test Certificate for Platforms, etc.

# 认证费用的支付

- 申请提交后可在等待付款项目  
中找到相应申请
- 联盟支持两种付费方式，信用  
卡支付或“Request Invoice”  
前者比较快捷，选择后者的话  
一般隔天会收到财务发来的  
Invoice，可根据Invoice上的  
账户信息付款

### Welcome to your Zigbee Certification Web Tool Dashboard

Use the buttons below add a product or to see products in various stages of the certification process.

[Add New Product Application](#)[Add a Certification Transfer Application](#)[Add Certification by Similarity Application](#)

[View Applications Awaiting Payment](#)[View Approved Products](#)[View InReview Applications](#)[Suspended/Failed Applications](#)

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No Data							

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Product Name	Product Type	Product Short Description	Current Status	Date Created	Application ID	Edit Application	Delete Application
No Data							

#### Incomplete (saved) Certification Transfer Applications

Below is a listing of applications you have started for certification transfer but which have not yet been submitted for processing by the Alliance.

# 完成认证

- 认证申请完成付款后才正式进入审核程序。不需要补充修改的话，一般2-4个工作日完成。
- 如果发现提交的资料有问题，联盟的认证工作人员会用邮件和认证账户所有者交流并退回认证申请等待修改或补充资料后再次上传审核。
- 审核通过后认证证书会发送到认证账户电子邮箱


**zigbee alliance**

**zigbee alliance**  
CERTIFICATE  
ZIGBEE CERTIFIED PRODUCT

The Zigbee Alliance is pleased to congratulate [REDACTED] on the completion of the Zigbee Certification Program testing of the following product:

Type of Device	Zigbee - 2016 IAS Zone
Manufacturer	[REDACTED]
Model Identification	[REDACTED]
Firmware Version	[REDACTED]
Hardware Version	[REDACTED]
Certification Date	[REDACTED], 2020
Certification ID Number	ZIG202 [REDACTED]

This Certificate serves to confirm that the above-mentioned product has passed all relevant tests in conjunction with the Zigbee Certification Program. The manufacturer has been granted the right to use the following term and all associated logos:

 **zigbee**  
certified  
product


The usage of this term is limited to the described device and does not encompass any changes, firmware upgrades or subsequent versions and models after the listed test date.

All usage guidelines governing Zigbee Alliance marks apply to the term above.

We congratulate you on the completion of the program!

Sincerely,  
Zigbee Alliance

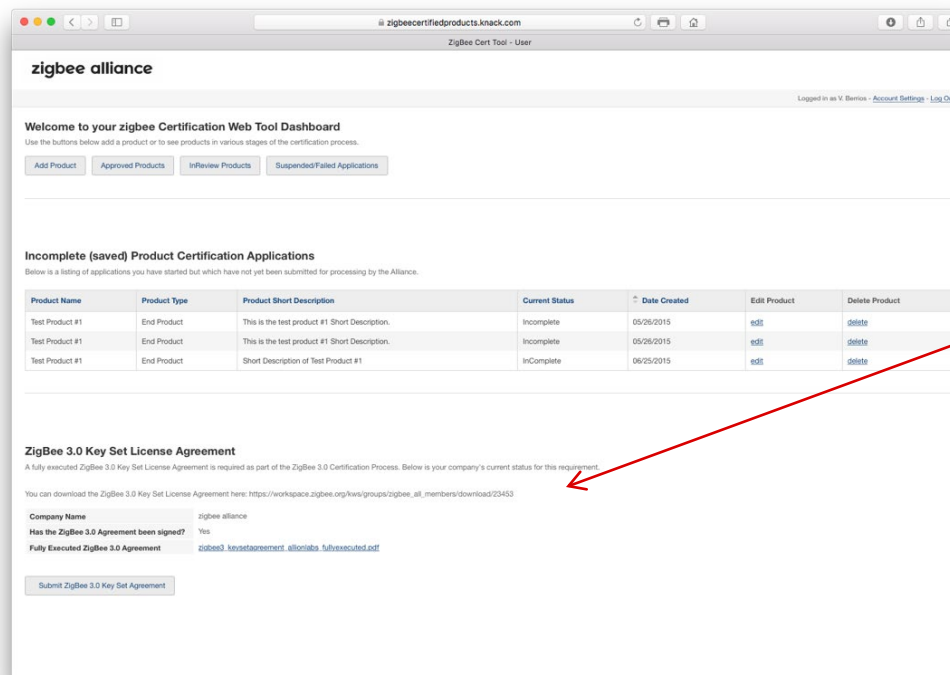
October 21, 2020  
Date

  
Signature

508 Second Street, Suite 206 ■ Davis, CA 95616 ■ USA ■ Phone +1.530.564.4565 ■ [www.zigbee.org](http://www.zigbee.org)

# 获取Zigbee 3.0 密钥使用许可协议

- 成员和联盟签订Zigbee 3.0密钥使用许可协议：协议文本可以[点击链接下载](#)，下载后签字上传。在第一款Zigbee 3.0产品完成认证后密钥会发到认证账户的邮箱。



在此提交



# 相似性认证

# 何为相似性认证

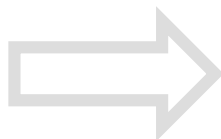
- 该计划允许成员公司基于与本公司已经认证的兼容平台/产品的相似性来认证新的平台或产品
- 兼容平台和终端产品都可以适用
- 免除测试环节



# 相似性认证 —— 不允许的变化



变更采用的兼容  
平台



是否适用相  
似性任何?

**NO**



On/Off  
Light

变更设备类型



Dimmable  
Light

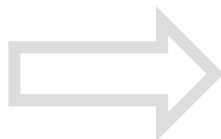
是否适用相  
似性任何?

**NO**

# 相似性认证 —— 允许的变化



变更外壳形式



是否适用相似性任何?

**YES**



变更其他特性



是否适用相似性任何?

**YES**

220V

110V



# 相似性认证申请需提交的信息

## Add Certification by Similarity Application

Complete the form below to create a new application for certification by similarity. Fields marked with a \* are required entries that must be complete before you can save or submit your application.

Product Name \*

Product Link URL

Product Image

未选择任何文件

Firmware Version \*

Hardware Version \*

Approved For Web

Indicate whether you would like the ZigBee Alliance to include your product on its list of Certified Products on its public website.

Date Product can be Displayed \*

11/03/2020

If you would like the Alliance to delay displaying your product on its public site until a future date, please enter the appropriate date here. NOTE: Your product

Product Short Description \*

Up to 255 Characters.

Product Long Description \*

Up to 1200 characters.

Your Company \*

Hangzhou Sky-Lighting Co., Ltd.

Stock Keeping Unit (SKU)

Enter the product's SKU. If none exists, enter N/A.

Previously Certified Product \*

Select

Please select your previously certified product you are claiming similarity to

Changes from Previously Certified Product \*

Please explain in detail the differences between the previously certified product and the item you are submitting for certification by similarity. If there were changes in the schematic; components (including RF hardware/enclosure); exposed functionality; or any firmware updates, please explain in detail.

Has your product completed optional TIS/TRP testing?

No

Select YES if your product has successfully completed TIS/TRP testing against the Zigbee Alliance specifications. If you have completed TIS/TRP testing, please have your test house send the report to [certification@zigbee.org](mailto:certification@zigbee.org)

Differences from certified product: Document Upload

未选择任何文件

You can upload a document supplementing the description of the changes from the previously certified product here.

Declaration of Conformance Document

未选择任何文件

Load Declaration of Conformity document here. In place of a test lab signature, please type "Certification by Similarity" and enter the Certificate ID of the previously certified product.

PICS Document

未选择任何文件

Load your Protocol Implementation and Conformance Statement (PICS) document here.

Supplemental PICS Document

未选择任何文件

If you have a secondary PICS document (e.g., OTA PICS) as part of your application, please load it here.

Submit for processing

No. Just save my work

Indicate whether you just want to save your work or if you are ready to submit your application for processing.

Submit

[Back to Zigbee Certified Products Dashboard](#)

zigbee alliance



# 转让认证计划

# 何为转让认证计划

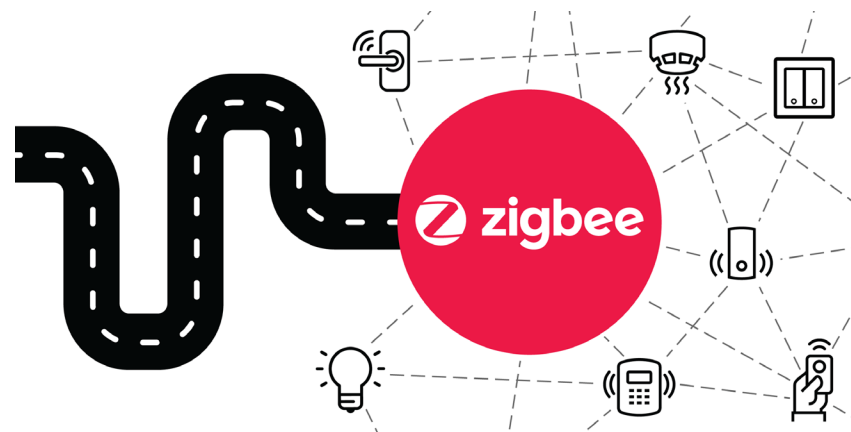
认证转移计划是加入联盟认证产品生态系统的捷径。该计划让联盟的参与者和推进者成员可以向多个客户提供其认证产品，让客户进行品牌重塑/贴标，同时保持这些产品的Zigbee认证状态。



# 适用情况

接受其他公司已认证产品的转让，无需耗费设计、开发和测试等资源，特别适合

- 初创公司
  - 小公司
  - 在传统产品线中开始添加智能产品
  - 刚刚进入物联网行业的公司
- **仅**适用于终端产品，芯片平台的认证不能转让



# 转让认证——允许的变化

- 品牌标志
- 包装
- 外壳颜色
- 用户界面



是否适用相似  
性认证?

YES



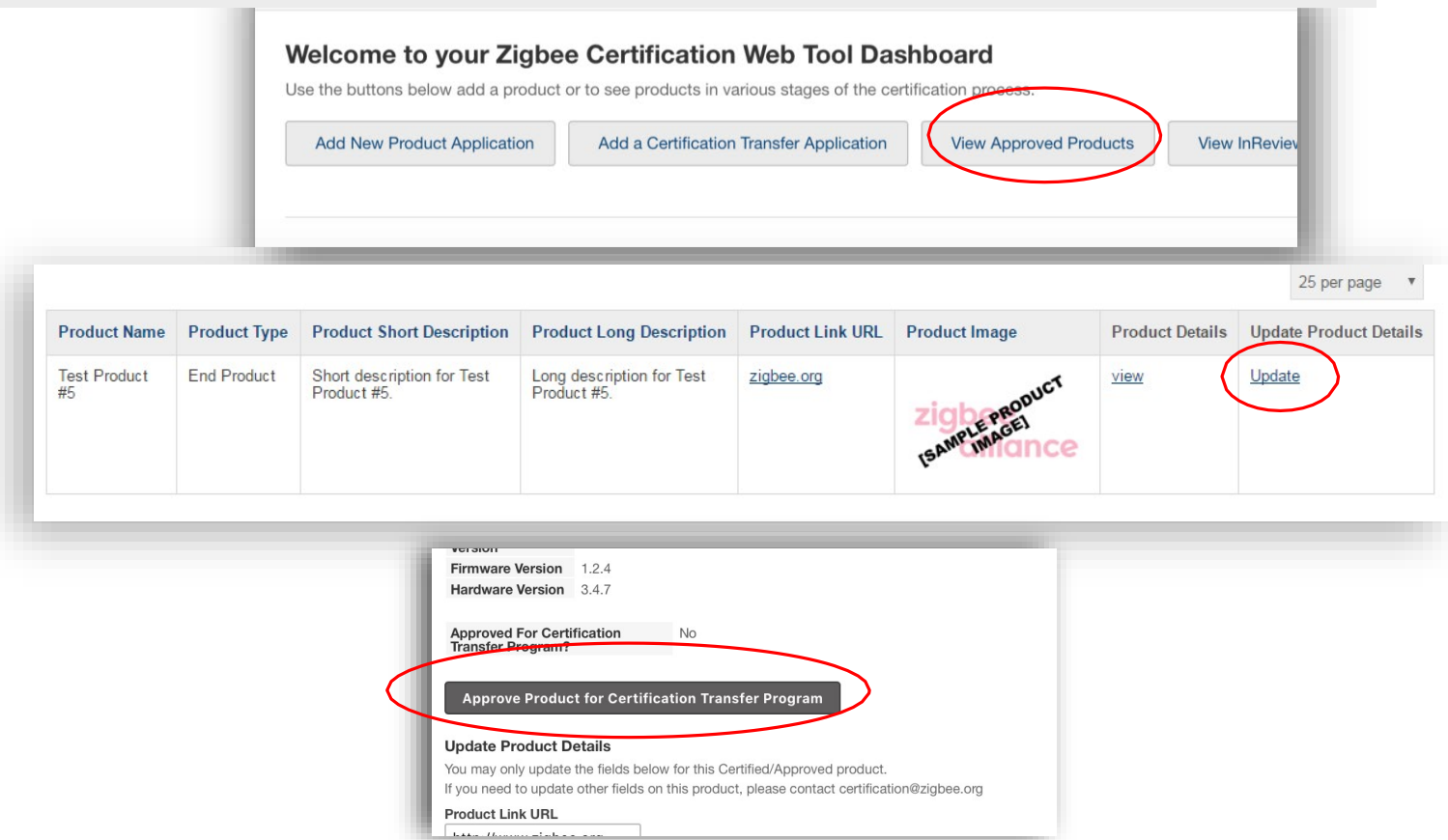
是否适用相似  
性认证?

YES

# 如何让认证产品获得转让资格——出让方

- 点击浏览已认证产品清单
- 找到相应产品并点击最右边的 'Update' 链接
- 在打开的页面中点击  
'Approve Product for Certification Transfer Program'

\*仅参与者和推动者级别成员的认证产品可获得转让资格



# 联盟成员接受认证转让

同样在认证网页工具界面操作

## Add Certification Transfer Application

Complete the form below to create a new application for certification transfer. Fields marked with a \* are required entries that must be complete before you can save or submit your application.

Product Name \*

Product Link URL

Product Image

未选择任何文件

Stock Keeping Unit (SKU)

*Enter the product's SKU. If none exists, enter N/A.*

Previously Certified Product \*

*Please select the previously certified product being used*

Differences from certified product used \*

*Describe any differences (e.g. enclosure, color, branding, etc.) between the originally certified product and your product. You may also add a separate document below detailing the differences.*

Product Short Description \*

*Up to 255 Characters.*

Product Long Description \*

*Up to 1200 characters.*

Your Company \*

Hangzhou Sky-Lighting Co., Ltd.

Differences from certified product used \*

*Describe any differences (e.g. enclosure, color, branding, etc.) between the originally certified product and your product. You may also add a separate document below detailing the differences.*

Differences from certified product: Document Upload

未选择任何文件

*Load document describing any differences (e.g. enclosure, color, branding, etc.) between the originally certified product and your product.*

Submit for processing

No. Just save my work

*Indicate whether you just want to save your work or if you are ready to submit your application for processing.*

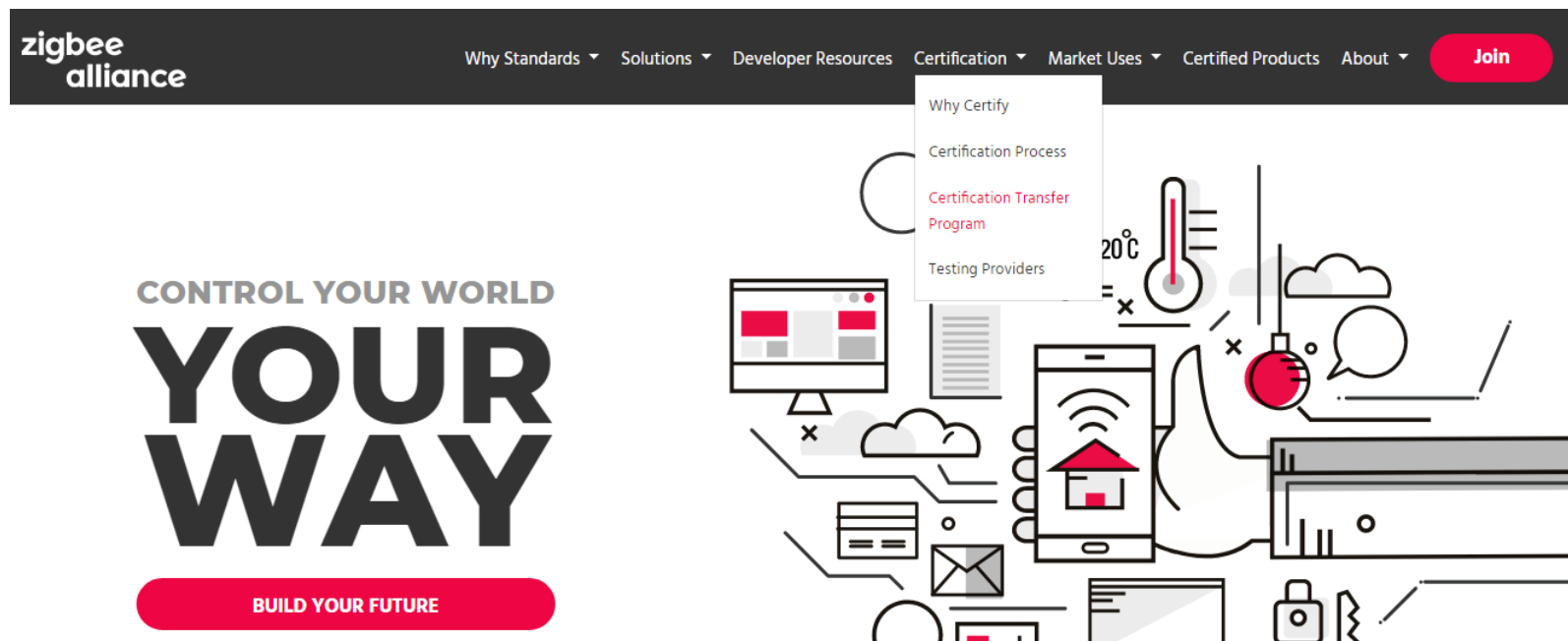
Submit

[Back to Zigbee Certified Products Dashboard](#)

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# 非联盟成员接受认证转让——条件

- 成为联盟准成员Associate Member, 准成员无需支付成员年费
- 使用专门的“[准成员专用认证网页工具](#)”，也可以在官网相关页面找到链接





# 非联盟成员接受认证转让——流程

- 打开[准成员专用认证网页工具](#)登录页面，并点击进入 ‘Sign Up’ 界面，按照打开页面的首次使用者指南操作，签订准成员协议 “Associate Member Agreement”
- 开立账户申请提交后将由联盟认证工作人员审批

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## Welcome to the Associate Certification Web Tool

Enter your email address and password to login.

By login in, you are confirming that you have read and agree to the Zigbee Alliance Terms of Use and Privacy Policy found in <http://www.zigbee.org/zigbeealliance/governing-documents/>

Email Address

Password (forgot?)

☐ Remember me

Sign In

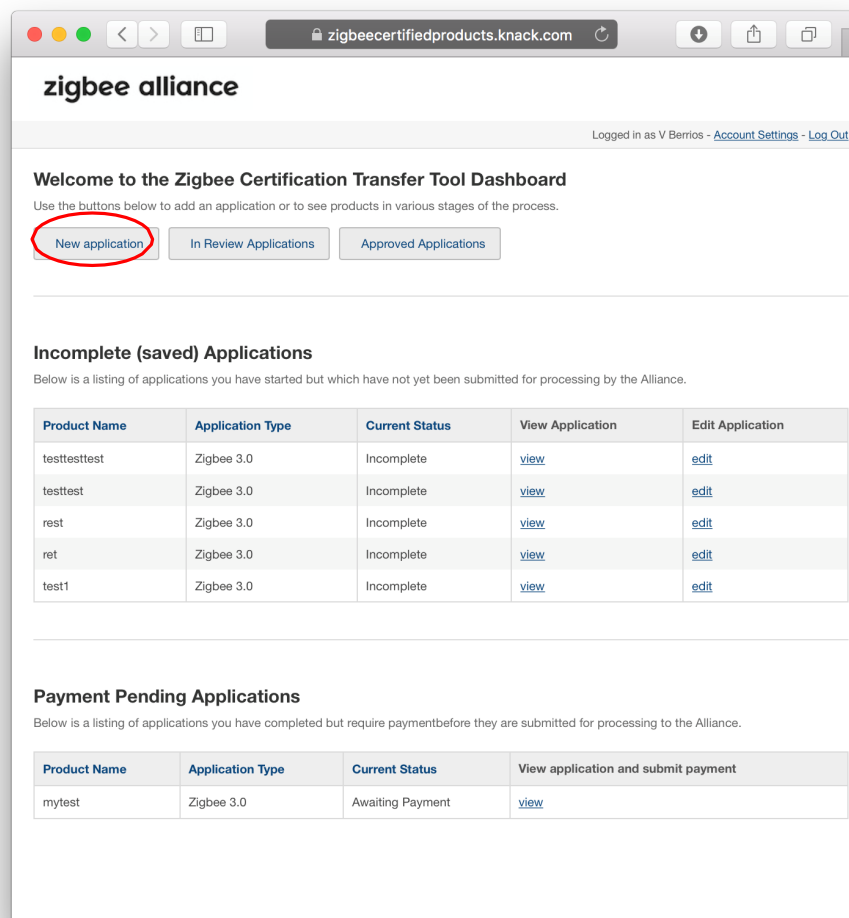
Need an account?

[Sign Up](#)

zigbee alliance

# 非联盟成员接受认证转让——流程

- 账户审批通过后登录网页工具，提交接受认证申请，查询申请项目的状态



# 非联盟成员接受认证转让——流程

- 在新申请界面填入相关资料
  - 其中原认证产品的编号需向出让方询问填写

The screenshot shows the 'New Application' form for the Zigbee Alliance Certification Transfer Program. The form is titled 'New Certification Application' and includes instructions: 'Complete the form below to create a new application for certification transfer. Fields marked with a \* are required entries that must be complete before you can save or submit your application.'

The form fields include:

- Your Product's Name \***: Text input field.
- Your Product's URL**: Text input field with a note: 'Please enter a URL you would like to link to from the product listing on our website. This could be a link to your own product details page, to your ecommerce site, or other.'
- Your product's image**: File upload field with a note: 'This will be the image that we will use in the product listing on our website.'
- Stock Keeping Unit (SKU)**: Text input field with a note: 'Enter the product's SKU. If none exists, enter N/A.'
- Zigbee Certified Product \***: A dropdown menu with 'Select' as the current selection. This field is circled in red.
- Differences from certified product used \***: Text input field with a note: 'Describe any differences (e.g. enclosure, color, branding, etc.) between the originally certified product and your product. You may also add a separate document below detailing the differences.'
- Differences from certified product: Document Upload**: File upload field with a note: 'Load document describing any differences (e.g. enclosure, color, branding, etc.) between the originally certified product and your product.'
- Submit for processing**: A button with a dropdown menu showing 'No. Just save my work'.

At the bottom of the form, there is a 'Next' button and a link to 'Back to Certification Transfer Program Dashboard'.

# 认证联系方式



**Membership/General** [help@zigbee.org](mailto:help@zigbee.org)

**Certification** [certification@zigbee.org](mailto:certification@zigbee.org)

商瑞云/Laura Shang  
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# Thank you!

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