Purpose and Distribution

- This document is intended for the members of the ULE Alliance, who wish to receive the ULE logo for their products (Applicants)

- The purpose of this document is to guide the Applicants through the relevant material and the processes of ULE device certification

- This presentation references the ULE Certification Handbook documents. These documents can be accessed at: [www.ulealliance.org](http://www.ulealliance.org), select tab “Members Area”

- The certification process validates compliance with the ULE Application layer (HAN FUN). It is Applicant’s responsibility to independently test the compliance with the DECT ULE Radio standard (TBR6)

- For any questions or clarifications, please contact the ULE Alliance secretariat: secretariat@ulealliance.org
Why Apply for the ULE Logo?

- You have designed and developed a brand new product using the ULE Technology

- You want your customers and the wider market to know that your product is based on the superior wireless technology for the IoT, with unparalleled simplicity, reliability and cost advantage

- You want the market to realize that your product can securely interoperate with many other products based on the ULE Technology

- Having the ULE logo for your product will tell your customers and the wider market exactly that!!
Applying for the ULE Logo

- All the members of the ULE Alliance can apply for the ULE Logo for their products through the certification program

- End products or modules can be applied for certification

- If your end product implements one or more of the ULE Application layer profiles (HAN FUN), then you should apply for the ULE Logo

- The ULE Logo is granted after successfully passing the certification process
Certification Process Flow

ULE Alliance

Product Manufacturer

Test Laboratory

Certification Body

- Test Request
- ULE Member?
  - YES: Define Test Campaign
  - NO: ULE Member?
- Define Test Campaign
- Test Plan
- License Fee Paid?
  - YES: Perform Tests
  - NO: Test Plan
- Perform Tests
- Pass?
  - YES: Test Report
  - NO: Perform Tests
- Test Report
- Request Verification
- Verified?
  - YES: Approves Certification
  - NO: Request Verification

- Certificate Request
- Signs-Off Test
- Issues Certificate

- Certificate Request
- Product Listing
- Approves Certification
- Manufacturer Certificate
Certification Web Application

- The access to the ULE Certification Program is automated by the “ULE Certification System”
- Access to eligible members is granted via username/password
  - Request your username/password by sending e-mail to secretariat@ulealliance.org
- Refer to “ULE Certification Web Application Users Guide” for details:
  - www.ulealliance.org select “Certification” tab and then “Certification system”
Test Laboratory and Certification Body Partner

Parque Tecnologico de Andalucía
C/ Severo Ochoa, 2
29590 Malaga
SPAIN
Tel. +34 95 261 91 00
Fax. +34 95 261 91 13

Testing & Certification Services
infoLAB@dekra.com
+34 95 261 93 22
The Certification Handbook

- The Certification Handbook is a set of documents which govern all aspects of the ULE certification process

- You need to carefully review the documents which are relevant for you

- Certification handbook documents are explained on the following slides

- You can find the certification handbook documents at: www.ulealliance.org, select “Certification” tab and “Certification System”
## Certification Handbook explained...

<table>
<thead>
<tr>
<th>Document Name</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part 1 Qualification Program Regulations</td>
<td>This document outlines in detail the certification process, stakeholders, rules and regulations of the entire program. <strong>Important reading!</strong></td>
</tr>
<tr>
<td>Part 2 Requirements Overview</td>
<td>This document provides overview and requirements of the ULE Technology and its main components. This is a working document, which will be amended if necessary or required</td>
</tr>
<tr>
<td>Part 3 Test Specification</td>
<td>This document is an overview of the test specification, describing setup and components of device compliance testing. The Part 3 includes additional documents, which describe technical specifications in detail. <strong>Important reading if you want to understand the detail of testing process.</strong></td>
</tr>
<tr>
<td>Part 4 Laboratory Test Agreement</td>
<td>This is a template for your agreement with the Test Laboratory. The partner reviewed and accepted this document. <strong>Important reading!</strong></td>
</tr>
<tr>
<td>Part 5 Certification Body Agreement</td>
<td>This is a template for your agreement with the Qualification Body. The partner reviewed and accepted this document. <strong>Important reading!</strong></td>
</tr>
<tr>
<td>Part 6 License Agreement</td>
<td>This document is the agreement between you and ULE Alliance; it defines the terms and conditions for use of the ULE Logo. <strong>Important reading!</strong></td>
</tr>
<tr>
<td>Part 7 Certificate</td>
<td>This is an example of the standard certificate, which is granted to a member, after successfully completing the compliance testing and the certification body grants the logo.</td>
</tr>
</tbody>
</table>
## ULE Certification Handbook Documents

<table>
<thead>
<tr>
<th>Document Name</th>
<th>Details</th>
</tr>
</thead>
</table>
| **Part 1:** Qualification Program Regulations | *File name:* ULE_Qualification Program Regulations_V1.x  
*Document ID:* ULEA_L_001 |
| **Part 2:** Requirements Overview | *File name:* ULE_Requirements_Overview_V1.x  
*Document ID:* ULEA_R_001 |
| **Part 3:** Test Specification |   | *File name:* ULE_Protocol_Services_Test_Specification_V1.x  
*Document ID:* ULEA_T_002  
*File name:* ULE_Profiles_Test_Specification_V1.x  
*Document ID:* ULEA_T_003  
*File name:* ULE_RF_Test_Specification_V1.x  
*Document ID:* ULEA_T_004 |
| **Part 4:** Laboratory Test Agreement | *File name:* ULE_Laboratory_Test_Agreement_V1.x  
*Document ID:* ULEA_L_002 |
| **Part 5:** Certification Body Agreement | *File name:* ULE_Certification_Body_Agreement_V1.4.x  
*Document ID:* ULEA_L_003 |
| **Part 6:** License Agreement | *File name:* ULE_License_Agreement_V1.x  
*Document ID:* ULEA_L_004 |
| **Part 7:** Certificate | *File name:* ULE_Certification_V1.x  
*Document ID:* ULEA_L_005 |
Certification program - Fees

- A fee is associated with certain stages of the certification process
- The following fees apply throughout the certification process:
  - A License Fee to ULE Alliance for receiving the logo
  - A fee to the Test Laboratory for performing the tests and generating results (and according to Test Laboratory agreement document);
    ULE Alliance and its partner have reached agreement on the per/hour cost of testing for the ULE Alliance members; Please contact the ULE Alliance secretariat for more details
  - A fee to the Certification Body for review and approval of the test results (and according to Certification Body agreement document)
# Certification Program Access Fee

<table>
<thead>
<tr>
<th>Membership Category</th>
<th>Access Fee</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Promoter Member</td>
<td>Free access</td>
<td></td>
</tr>
<tr>
<td>Contributor Member</td>
<td>Free access</td>
<td></td>
</tr>
<tr>
<td>Adopter Member</td>
<td>12,500 CHF</td>
<td>Valid for 12 months from payment date; renewable after 12 months, as long as Adopter Membership category maintained</td>
</tr>
</tbody>
</table>
## Logo License Fees to the ULE Alliance
### End Products or Modules

<table>
<thead>
<tr>
<th>License Type</th>
<th>CHF Promoter</th>
<th>CHF Contributor</th>
<th>CHF Adopter</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Original License</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Node, FP(concentrator) or Module</td>
<td>1,500</td>
<td>1,500</td>
<td>3,000</td>
<td>Full tests to be run covering RF, Protocol, Profile and Services</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Single/multiple profile. Standalone module or First registration of a module</td>
</tr>
<tr>
<td><strong>Re-testing License</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Node, FP (concentrator) or Module</td>
<td>500</td>
<td>500</td>
<td>1,000</td>
<td>For re-testing a SW change/upgrade; single/multiple profile</td>
</tr>
<tr>
<td><strong>Product Variant License</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Node, FP (concentrator) or Module</td>
<td>1,500</td>
<td>1,500</td>
<td>3,000</td>
<td>Different branding;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>single/multiple profile</td>
</tr>
<tr>
<td><strong>Logo usage license,</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Node, FP(concentrator) or Module</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>Casing and Color differentiation Single/multiple profile.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Subsequent registration of a module (e.g. adding new profiles)</td>
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</tbody>
</table>
SIMPLY SECURE CONNECTIVITY

BY JOINING THE ULE ALLIANCE