

## ECHONET Consortium activity report (FY2024 3Q)

Category	Activities
Topics	<ol style="list-style-type: none"> <li>1. Revision of roadmap for popularization and expansion We have revised our roadmap for popularization and expansion adoption to reflect the latest market and policy trends. We also established an "Approach to the spread of ECHONET 2.0" to contribute to carbon neutrality and data distribution by promoting the spread of ECHONET devices and expanding service collaboration (October 2024).</li> <li>2. Revision of certification registration fee We have revised the certification registration fees of ECHONET Lite Standard Conformance Certification and Interface Specifications for Application Layer Communication Conformance Certification on October 1st, 2024.</li> <li>3. Publication of IEC international standard The international standardization of the contents of the APPENDIX Detailed Requirements for ECHONET Device objects Release Q rev.1, which has been carried out with the support of the Ministry of Economy, Trade and the cooperation of Industry and the cooperation of Kanagawa Institute of Technology, has been completed and was published as IEC 62394 Edition 5.0 on October 30, 2024.</li> <li>4. ECHONET Lite standards / System Design Guidelines The English version of "Examples of Application for the Matter ECHONET Lite Bridge 1st edition", which Japanese version was released to the public in June 2024, has been released to the public (October 2024).</li> <li>5. Test tool Low-Voltage / High-Voltage Smart Energy Meter Test Tool Ver.2.1.1 and AIF Certification Test Tool for other devices Ver.2.2.0 has been released for the members (October 2024).</li> <li>6. CEATEC 2024 We exhibited at CEATEC 2024, which was held at Makuhari Messe from Tuesday, October 15th to Friday, October 18th, 2024. We also delivered online seminars at the CETAEC 2024 Online Sessions from Tuesday, October 1st to Thursday, October 31st, 2024.</li> </ol>
Steering Committee	<ol style="list-style-type: none"> <li>1. Revision of roadmap for popularization and expansion We have revised our roadmap for popularization and expansion adoption to reflect the latest market and policy trends. We also established an "Approach to the spread of ECHONET 2.0" to contribute to carbon neutrality and data distribution by promoting the spread of ECHONET devices and expanding service collaboration (October 2024).</li> <li>2. Publication of IEC international standard The international standardization of the contents of the APPENDIX Detailed Requirements for ECHONET Device objects Release Q rev.1, which has been carried out with the support of the Ministry of Economy, Trade and the cooperation of Industry and the cooperation of Kanagawa Institute of Technology, has been completed and was published as IEC 62394 Edition 5.0 on October 30, 2024. The main revisions are as follows: Adding smart energy submeter classes and distributed power meters to equipment objects and adding properties for the Electric Vehicle charger/discharger class and Electric Vehicle Charger properties classes which corresponding the Interface Specifications for Application Layer Communication between electric vehicle charger/discharger/electric vehicle charger and controllers version 1.30.</li> <li>3. Update of Trademark Usage Manual and logodata download page We have revised the Trademark Usage Manual and update the logodata download page (October 2024).</li> <li>4. ECHONET 2.0 technical seminar The ECHONET 2.0 technical seminar 13th term was held at Internet Academy (November 2024).</li> <li>5. Revision of certification registration fee We have revised the certification registration fees of ECHONET Lite Standard Conformance Certification and Interface Specifications for Application Layer Communication Conformance Certification on October 1st, 2024. This applies to any applications for certification registration submitted to a certification body after that date.</li> </ol>
Technical Committee	<ol style="list-style-type: none"> <li>1. ECHONET Lite standards / System Design Guidelines <ul style="list-style-type: none"> <li>• The English version of "Examples of Application for the Matter ECHONET Lite Bridge 1st edition", which Japanese version was released to the public in June 2024, has been released to the public (October 2024).</li> <li>• We have revised the Errata of the AIF certification test specification document between low-voltage smart electric energy meters and controllers ver.1.1* first edition low-voltage smart electric energy meters and controllers (November 2024).</li> </ul> </li> <li>2. Detailed Requirements for ECHONET Device objects We have conducted a member review of the "Detailed Requirements for ECHONET Device objects Release R rev.3" which adds properties to the Frequency Control Class (December 2024).</li> <li>3. Interface Specifications for Application Layer Communication We have conducted a member review of the AIF specifications between frequency control PCS and controllers Ver.1.00 Draft (December 2024).</li> <li>4. Test tool Low-Voltage / High-Voltage Smart Energy Meter Test Tool Ver.2.1.1 and AIF Certification Test Tool for other devices Ver.2.2.0 has been released for the members (October 2024).</li> <li>5. Others Former Vice-Chairman of the Technical Committee, Teramoto, gave a presentation on the ECHONET Lite Web API Technology Seminar (Beginner/Advanced) at the CEATEC 2024 online session.</li> </ol>

<p>Promotion Committee</p>	<ol style="list-style-type: none"> <li>1. <b>CEATEC 2024</b> We exhibited at CEATEC 2024, which was held at Makuhari Messe from Tuesday, October 15th to Friday, October 18th, 2024. We also delivered online seminars at the CETAEC 2024 Online Sessions from Tuesday, October 1st to Thursday, October 31st, 2024. At our booth, we introduced the ECHONET 2.0 initiatives, activity result so far and use cases, and also demonstrated a learning application based on the ECHONET Lite Web API. The online session included videos introducing ECHONET Consortium's activities, which were viewed by many people.</li> <li>2. <b>DRready study session</b> At the third DRready study group hosted by the Agency for Natural Resources and Energy, ECHONET Consortium made presentations on its overseas response, including on promoting collaboration between standards with overseas standards and the trend toward multi-standards in international standards (September 2024). Details are available on the Agency for Natural Resources and Energy website.</li> <li>3. <b>Survey of trends in overseas standards</b> As part of a national project contracted by Kanagawa Institute of Technology, our member visited the IFA 2024 (held in Berlin, Germany from September 6th to 11th) to conduct market research on EV chargers and charger/dischargers, storage batteries, HEMS, and IoT, as well as to investigate trends among overseas standardization organizations.</li> <li>4. <b>Service Cooperation Platform Study Group</b> We had a lecture on the current state of heatstroke from the National Institute for Environmental Studies of the Ministry of the Environment and then began a discussion on the use of IoT air conditioners to prevent heatstroke. In addition, ECHONET consortium decided to participate in the Ministry of the Environment's BRIDGE program (a bridging program between research and development and Society 5.0).</li> </ol>
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