

## ECHONET Consortium activity report (FY2023 4Q)

Category	Activities
Topics	<ol style="list-style-type: none"> <li>1. 20th ECHONET Forum 20th ECHONET Forum was held in a hybrid format, both on-site and online, on February 7, 2024. We had special presentation from Mr. Nakajima of the Ministry of Economy, Trade and Industry and Mr. Shiraishi from Japan Electronics and Information Technology Industries Association, and the representative director Saito presented a report on ECHONET Consortium activities and future activity policies.</li> <li>2. Ministry of Economy, Trade and Industry certifies educational programs including "ECHONET 2.0 technical seminars" as fourth industrial revolution skill acquisition courses. The "IoT Engineer Training Course A + ECHONET IoT Overview of MASTER", which includes ECHONET 2.0 technical seminars, has been certified by the Ministry of Economy, Trade and Industry as a Fourth Industrial Revolution Skill Acquisition Course (commonly known as the Re Skill Course).</li> <li>3. ECHONET Lite standards / System Design Guidelines We have released the 4th edition of the ECHONET Lite System Design Guidelines, which includes added and revised descriptions related to smart meters, to the public. (March 2024).</li> <li>4. Interface Specifications for Application Layer Communication "AIF specifications between residential solar power generation and HEMS controllers Ver.1.20", "AIF specifications between storage batteries and HEMS controllers Ver.1.30", and "AIF specifications between electric vehicle charger/discharger/electric vehicle charger and HEMS controllers Ver.1.40" have been updated and released to the public with the main purpose of improving remote maintenance services. (January 2024).</li> <li>5. Exhibited at ENEX We exhibited together with Smart House Research Center, Kanagawa Institute of Technology at the ENEX2024 exhibition held at Tokyo Big Sight from January 31st to February 2nd, 2024, and received support from Japan Federation of Housing Organizations and Japan Electrical Manufacturers' Association.</li> <li>6. ECHONET Symposium ECHONET Symposium 2024 was held on March 11, 2024 as a hybrid of real (venue: Seavans Large Hall) and online. 491 people applied to participate, and 345 people participated on the day, making it the largest number of participants for ECHONET Consortium event in recent years.</li> <li>7. Home appliance open innovation workshop A Home Appliance Open Innovation Workshop was held on March 18, 2024, and a discussion was held regarding the spread of Route B of next-generation smart meters.</li> </ol>
Steering Committee	<ol style="list-style-type: none"> <li>1. 20th ECHONET Forum 20th ECHONET Forum was held in a hybrid format, both on-site and online, on February 7, 2024. We had special presentation from Mr. Nakajima of the Ministry of Economy, Trade and Industry titled "Future of energy demand-side policies." and Mr. Shiraishi from Japan Electronics and Information Technology Industries Association titled "Actions of IENAKA data linkage platform to solve social issues. – Recent activity for Digital Garden City Nation Vision -", and the representative director Saito presented a report on ECHONET Consortium activities and future activity policies.</li> <li>2. Ministry of Economy, Trade and Industry certifies educational programs including "ECHONET 2.0 technical seminars" as fourth industrial revolution skill acquisition courses. The "IoT Engineer Training Course A + ECHONET IoT Overview of MASTER", which includes ECHONET 2.0 technical seminars, has been certified by the Ministry of Economy, Trade and Industry as a Fourth Industrial Revolution Skill Acquisition Course (commonly known as the Re Skill Course). If certain requirements are met, the Ministry of Health, Labor and Welfare will provide up to 70% of the tuition fee as an education and training benefit.</li> <li>3. 11th term of ECHONET 2.0 technical seminar An ECHONET 2.0 technical seminar was held at the Internet Academy on the afternoon of March 21st and March 22nd.</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>• We have started member reviews of the Japanese and English versions of "CHAdEMO-ECHONET Lite Linkage Guidelines Ver.1.10 Draft" which includes enhanced descriptions of the mapping between CHAdEMO commands and ECHONET Lite commands. (March 2024).</li> <li>• We have released the 4th edition of the ECHONET Lite System Design Guidelines, which includes added and revised descriptions related to smart meters, to the public. (March 2024).</li> </ul> </li> <li>2. Detailed Requirements for ECHONET Device objects Member review of APPENDIX Detailed Requirements for ECHONET Device objects Release R rev.2 has been completed. (March 2024).</li> <li>3. Interface Specifications for Application Layer Communication "AIF specifications between residential solar power generation and HEMS controllers Ver.1.20", "AIF specifications between storage batteries and HEMS controllers Ver.1.30", and "AIF specifications between electric vehicle charger/discharger/electric vehicle charger and HEMS controllers Ver.1.40" have been updated and released to the public with the main purpose of improving remote maintenance services. (January 2024).</li> <li>4. Test tool "Low-Voltage / High-Voltage Smart Energy Meter Test Tool Ver.2.1.0" which includes support for bidirectional high-voltage smart electricity meters, has been released to members. (February 2024).</li> <li>5. Others <ul style="list-style-type: none"> <li>• Mr. Teramoto, Vice-Chairperson of Technical committee, had a lecture entitled "Web API Security Related Consideration Status" at an event hosted by the W3C Web of Things Japanese Committee Group. (March 2024).</li> <li>• Mr. Murakami, Chairperson of Technical Committee, gave a lecture titled "Introducing technical study regarding collaboration between ECHONET Lite and Matter" at the ECHONET Symposium. (March 2024).</li> </ul> </li> </ol>

<p>Promotion Committee</p>	<ol style="list-style-type: none"> <li>1. Exhibited at ENEX <ul style="list-style-type: none"> <li>• We exhibited together with Smart House Research Center, Kanagawa Institute of Technology at the ENEX2024 exhibition held at Tokyo Big Sight from January 31st to February 2nd, 2024, and received support from Japan Federation of Housing Organizations and Japan Electrical Manufacturers' Association. Thirteen member companies exhibited their products and technologies at our booth, making it a very successful exhibition.</li> <li>• In addition to Professor Isshiki from Kanagawa Institute of Technology, ECHONET Consortium and member companies gave lectures in the lecture hall attached to the venue, which was a great success and was nearly full.</li> </ul> </li> <li>2. ECHONET Symposium <p>ECHONET Symposium 2024 was held on March 11, 2024 as a hybrid of real (venue: Seavans Large Hall) and online. The theme of the event was "Changing lives with smart homes 'ECHONET 2.0' (The Vision for a Digital Garden City Nation, Carbon Neutral, Demand Response)". We had presentations from Ministry of Economy, Trade and Industry, Japan Advanced Institute of Science and Technology, National Institute for National Research Institute for Earth Science and Disaster Resilience, Kanagawa Institute of Technology, the University of Tokyo, and JEMA. as well as ECHONET Consortium's representative director, Promotion Committee chairperson, technical committee chairperson, and Data Linkage Method WG chairperson. 491 people applied to participate, and 345 people participated on the day, making it the largest number of participants for ECHONET Consortium event in recent years.</p> </li> <li>3. Home appliance open innovation workshop <p>A Home Appliance Open Innovation Workshop was held on March 18, 2024, and a discussion was held regarding the spread of Route B of next-generation smart meters. We received presentations from the three member companies, mainly about smartphone software products (controllers) and device-mounted controllers.</p> </li> <li>4. Started general member review of guidance for service collaboration. <p>The Data Linkage Method WG has started a general member review of "Guidance for Service Linkage Using ECHONET Lite Web API." This guidance was discussed and documented by the Service Cooperation Platform Study Group, which is jointly operated with JEITA.</p> </li> <li>5. Overseas exhibition survey <p>Our members visited the CES exhibition held in North America in January 2024 and investigated trends in overseas standards.</p> </li> </ol>
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