

## Report on activities of the ECHONET Consortium (Apr.-Jun. 2020)

Classification	Current activities
Topics	<p>(1) Held the seventh Regular General Meeting was held at the Large Hall, Seavans S Building 1F (Shibaura, Minato, Tokyo) on June 3. In response to the current spread of coronavirus (COVID-19), the Regular General Meeting of employees was held via live-streaming video from the venue. At the meeting, we reported on the operations of the 6th fiscal year (fiscal 2019) and our business plan and accounts for the 7th fiscal year (fiscal 2020) while obtaining approval for our financial report for the 6th year. We then obtained approval for the selection of four board members and one auditor.</p> <p>(2) Inauguration of a new representative director As the term of service for Katsuhiko Hiramatsu, representative director of the ECHONET Consortium has expired, Mr. Nobuo Asahi from Mitsubishi Electric Corporation replaced him, taking leadership of Consortium activities for the next two years.</p> <p>(3) Completed international standardization of the Application Communication Interface Specifications between home air conditioners and HEMS controllers Since 2017, we have been working to make the AIF specifications between home air conditioners and HEMS controllers into international standards with the help of the Ministry of Economy, Trade and Industry (METI) through collaboration with the Kanagawa Institute of Technology. The standard was officially approved as an international standard in June.</p> <p>(4) Number of shipped ECHONET Lite devices reached 94 million units The number of home appliances installed with ECHONET Lite through 2019 reached 32.93 million (61.13 million, including smart electric meters installed), bringing the total number of devices installed with ECHONET Lite specifications to 94 million. With this, we can expect to achieve 100 million shipped units by fiscal 2020, which we set as our numerical target under the ECHONET2.0 Vision.</p> <p>(5) Held the 13<sup>th</sup> ECHONET Forum on July 3 In response to spread of coronavirus (COVID-19), the current ECHONET Forum was held remotely via pre-recorded lectures published on the ECHONET website. We broadcasted an opening speech by the new representative director, a closing speech by the managing director, our fiscal 2020 business plans from committees, and technical presentations from four Forum member companies. It was our first time to hold the Forum remotely; however, there were 508 views in total (average of 56 views).</p>
Planning And Steering Committee	<p>(1) Completed international standardization of AIF specifications between home air conditioners and HEMS controllers (June 22, 2020) Under the guidance of the International Electrotechnology Standardization Division, Industrial Science and Technology Policy and Environment Bureau at METI, we promoted activities to make the AIF specifications between home air conditioners and HEMS controllers into international standards, in collaboration with the Kanagawa Institute of Technology. The specifications were officially recognized as the international standard "ISO/IEC14543-4-301" by ISO/IEC JTC1 SC25 WG1.</p> <p>(2) Held the First International Standard Development Committee for ECHONET Lite AIF (Jun 12, 2020) In the presence of personnel from the International Electrotechnology Standardization Division, Industrial Science and Technology Policy and Environment Bureau at METI, the First ECHONET Lite AIF International Standardization Committee was held, with Dr. Masao Isshiki, Professor at Kanagawa Institute of Technology, serving as chairman. The Committee plans to achieve NP registration of the AIF specifications between storage batteries and HEMS controllers within fiscal 2020.</p>
Technical Committee	<p>(1) Detailed Requirements for Device Objects Recruited proposals for the Detailed Requirements for ECHONET Device Objects Release N and started formulating the specifications.</p> <p>(2) Application Communication Interface Specifications Launched Detailed Considerations on Revising the Application Communication Interface Specifications related to storage batteries in which properties were added to the Requirements for ECHONET Device Objects Release M.</p> <p>(3) ECHONET Lite Web API Completed member review of the ECHONET Lite Web API Guidelines API specifications section (Version1.1.0). We are now pushing towards formulation as we work towards public release.</p> <p>(4) Holding of Plug Fest events Now recruiting participants (by July 27) for the 24th Plug Fest to be held on September 3 and 4 at the HEMS Authorization Support Center, Kanagawa Institute of Technology.</p> <p>(5) Others Begun Data Link Study Working Group activities jointly established with Promotion Committee.</p>
Promotion Committee	<p>(1) Collaboration with Personal Connected Health Alliance Agreed to promote collaboration with the ECHONET Consortium and the Personal Connected Health Alliance (PCHA) in the Web API layer to facilitate mutual use of data. Data Link Study Working Group plans to promote deliberations on specific data linkages and public relations activities.</p> <p>(2) Inauguration of Data Link Study Working Group Launched Data Link Study Working Group consisting of 22 persons, including academic experts and persons from representative companies to promote effective and increased use of data and study standardization of data linkage mechanisms. Held the first working group session on May 22. For the present, our focus is placed on information sharing for technologies related to data linkage mechanisms and considerations related to collaborators from different sectors.</p> <p>(3) Participation in overseas exhibitions Efforts are made towards remote exhibitions for IFA 2020, Enlit Europe, and CES2021. Meanwhile, we gave up participating in two planned exhibitions (Enlit Asia and Thailand Lighting Fair) due to the lack of an online exhibition system.</p> <p>(4) Consideration of participation in CEATEC 2020 We are now looking at what to exhibit at CEATEC, to be held October 20 through 23, 2020. We are seeking out new participation styles (e.g. movies) for the upcoming remote exhibition.</p> <p>(5) ENEX/DER Japan2021 (held as ENEX/SEJ202 by last year) Consideration of participation in exhibitions Started looking at participating in ENEX/DER Japan 2021 planned to be held on December 9 through 11 at Tokyo Big Sight. As with last year, we plan to participate in the event jointly with the Kanagawa Institute of Technology. The event may be held remotely, so we have adopted a wait-and-see approach.</p> <p>(6) Report on ECHONET Lite specifications and AIF certification acquisition status Summarized and posted reports on ECHONET Lite certification and AIF specifications acquisition status through the second half of fiscal 2019. The cumulative number of ECHONET Lite certifications acquired was 766, with 538 AIF specifications acquired.</p>