CLAIMS

[Claim 1] An evaluation apparatus comprising:

a first predictive value acquisition unit to acquire for each area of a plurality of areas, a predictive value of each area, which is predicted to be measured when a device operates in a space that includes the plurality of areas;

a second predictive value acquisition unit to acquire an overall predictive value which is a predictive value of the entire space calculated using a plurality of predictive values of the plurality of areas;

a first evaluation unit to evaluate the predictive value of each area acquired by the first predictive value acquisition unit, using a partial evaluation criterion which is an evaluation criterion applied to each area;

a second evaluation unit to evaluate the overall predictive value acquired by the second predictive value acquisition unit, using an overall evaluation criterion which is an evaluation criterion applied to the entire space; and

a display unit to display an evaluation result by the first evaluation unit and an evaluation result by the second evaluation unit.

[Claim 2] The evaluation apparatus according to claim 1, wherein

every time when a control value candidate which is a candidate for a control value of the device is set, the first predictive value acquisition unit acquires for each area, the predictive value of each area that is predicted to be measured when the device operates according to the set control value candidate,

every time when the control value candidate is set, the second predictive value acquisition unit acquires the overall predictive value calculated using the plurality of predictive values of the plurality of areas calculated based on the set control value candidate,

every time when the control value candidate is set, the first evaluation unit evaluates the predictive value of each area acquired by the first predictive value acquisition unit, and

every time when the control value candidate is set, the second evaluation unit evaluates the overall predictive value acquired by the second predictive value acquisition unit.

[Claim 3] The evaluation apparatus according to claim 1, wherein

the first predictive value acquisition unit acquires for each area, the predictive value of each area calculated using at least one of weather information indicating a weather condition of the space, frame attribute information indicating a frame attribute of the space, device specification information indicating a specification of the device, and usage status information indicating usage status of each area.

[Claim 4] The evaluation apparatus according to claim 1, further comprising

an information generation unit to generate frame attribute information indicating a frame attribute of the space, based on a layout of each area, wherein

the first predictive value acquisition unit acquires for each area, the predictive value of each area calculated using the frame attribute information generated by the information generation unit.

[Claim 5] The evaluation apparatus according to claim 1, further comprising

an information generation unit to generate device specification information indicating a specification of the device, wherein

the first predictive value acquisition unit acquires for each area, the predictive value of each area calculated using the device specification information generated by the information generation unit.

[Claim 6] The evaluation apparatus according to claim 5, wherein

when a plurality of devices is installed in the plurality of areas, the information generation unit specifies a device installed in each area, based on relative position of each area in the space and relative position of each device in the space, and generates device specification information indicating the device installed in each area.

[Claim 7] The evaluation apparatus according to claim 1, wherein

when two or more devices are installed in two or more areas among the plurality of areas and the two or more devices are grouped into two or more groups, and when a control value candidate which is a candidate for a control value is set to each of the two or more groups, the first predictive value acquisition unit acquires for each area, the predictive value of each area predicted to be measured when the two or more devices operate according to the control value candidate set to a group to which each of the two or more devices belongs.

[Claim 8] The evaluation apparatus according to claim 1, further comprising

an information generation unit to generate usage status information indicating usage status of each area, based on usage purpose of each area, wherein

the first predictive value acquisition unit acquires for each area, the predictive value of each area calculated using the usage status information generated by the information generation unit.

[Claim 9] The evaluation apparatus according to claim 2, further comprising

a search unit, in at least one of a case where the first evaluation unit evaluates that the predictive value of any area does not conform to the corresponding partial evaluation criterion, and a case where the second evaluation unit evaluates that the overall predictive value does not conform to the overall evaluation criterion, to search for a control value candidate with which the predictive values of the plurality of areas conform to the corresponding partial evaluation criterion, and with which the overall

predictive value conforms to the overall evaluation criterion.

[Claim 10] The evaluation apparatus according to claim 3, further comprising:

a layout change detection unit to detect a layout change in any area among the plurality of areas; and

an information update unit to reflect to layout information indicating layouts of the plurality of areas, the layout change detected by the layout change detection unit.

[Claim 11] The evaluation apparatus according to claim 1, further comprising:

an actual measurement value acquisition unit to acquire for each area, an actual measurement value which is a measurement value of each area measured when the device actually operates in the space; and

a display unit to display the predictive value of each area and the actual measurement value of each area acquired by the actual measurement value acquisition unit.

[Claim 12] The evaluation apparatus according to claim 11, wherein

the actual measurement value acquisition unit acquires an overall actual measurement value which is a measurement value of the entire space calculated using a plurality of actual measurement values of the plurality of areas, and

the display unit displays the overall predictive value and the overall actual measurement value acquired by the actual measurement value acquisition unit.

[Claim 13] The evaluation apparatus according to claim 12, further comprising:

a search unit, in at least one of a case where a difference between the predictive value and the actual measurement value is equal to or greater than a first threshold value in any area, and a case where a difference between the overall predictive value and the overall actual measurement value is equal to or greater than a second threshold value, to search for a candidate for a control value of the device, with which

the difference between the predictive value and the actual measurement value is less than the first threshold value in the plurality of areas, and with which the difference between the overall predictive value and the overall actual measurement value is less than the second threshold value.

[Claim 14] An evaluation method comprising:

by a computer, acquiring for each area of a plurality of areas, a predictive value of each area, which is predicted to be measured when a device operates in a space that includes the plurality of areas;

by the computer, acquiring an overall predictive value which is a predictive value of the entire space calculated using a plurality of predictive values of the plurality of areas;

by the computer, evaluating the acquired predictive value of each area, using a partial evaluation criterion which is an evaluation criterion applied to each area;

by the computer, evaluating the acquired overall predictive value, using an overall evaluation criterion which is an evaluation criterion applied to the entire space; and

by the computer, displaying an evaluation result of the predictive value of each area and an evaluation result of the overall predictive value.

[Claim 15] An evaluation program that causes a computer to execute:

a first predictive value acquisition process to acquire for each area of a plurality of areas, a predictive value of each area, which is predicted to be measured when a device operates in a space that includes the plurality of areas;

a second predictive value acquisition process to acquire an overall predictive value which is a predictive value of the entire space calculated using a plurality of predictive values of the plurality of areas;

a first evaluation process to evaluate the predictive value of each area acquired by the first predictive value acquisition process, using a partial evaluation criterion which is an evaluation criterion applied to each area;

a second evaluation process to evaluate the overall predictive value acquired by the second predictive value acquisition process, using an overall evaluation criterion which is an evaluation criterion applied to the entire space, and

a display process to display an evaluation result by the first evaluation process and an evaluation result by the second evaluation process.