

CLAIMS

1. A display control device comprising:
 - a data acquiring unit for acquiring a design value indicating a value as a control target and an actual value indicating an actual measurement value for state information indicating states of a plurality of target areas;
 - a graphic generating unit for generating a graphic indicating the design value and generating a graphic indicating the actual value on a basis of position coordinates of the generated graphic indicating the design value; and
 - a display control unit for performing control to display the graphic indicating the design value and the graphic indicating the actual value generated by the graphic generating unit on a same screen of a display device for each of the target areas, wherein the graphic generating unit generates the graphic indicating the design value and the graphic indicating the actual value using graphics that allow shapes of the graphic indicating the design value and the graphic indicating the actual value to be distinguished from each other when the graphic indicating the design value and the graphic indicating the actual value are superimposed and displayed while centers of gravity are matched.
2. The display control device according to claim 1,
 - wherein the graphic generating unit comprises:
 - a design value graphic generating unit for generating the graphic indicating the design value by calculating a height of the graphic indicating the design value so that a maximum value and a minimum value of the design value are within a range of a preset parameter for each unit time of a time axis to be displayed and calculating a width of the graphic indicating the design value depending on the unit time of the time axis and calculating position coordinates of the generated graphic indicating the design value; and
 - an actual value graphic generating unit for calculating position coordinates of the graphic indicating the actual value using the position coordinates of the graphic indicating the design value for each unit time of the time axis on a basis of a difference between the design value and the actual value or a ratio of the actual measurement value to the design value,
 - wherein the display control unit performs control to display the graphic indicating the design value and the graphic indicating the actual value for each of the target areas on a basis of the position coordinates of the graphic indicating the design value calculated by the design value graphic generating unit and the position coordinates of graphic indicating the actual value calculated by the actual value graphic generating unit.
3. The display control device according to claim 2, wherein the actual value graphic generating unit calculates a size of the graphic indicating the actual value on a basis of a ratio of the actual value to the design value in a case where the difference

between the design value and the actual value is larger than a preset threshold value.

4. The display control device according to claim 2, wherein the actual value graphic generating unit calculates a size of the graphic indicating the actual value on a basis of a ratio of the actual value to the design value.

5. The display control device according to claim 1 or 2, wherein the data acquiring unit acquires related information related to the design value and the actual value,

the graphic generating unit comprises a related graphic generating unit for analyzing the related information on a basis of an analytical criterion indicating under which condition the related information is to be analyzed for each unit time of the time axis, generating a graphic indicating the related information on a basis of a result of the analysis and a preset parameter, and calculating position coordinates of the graphic indicating the related information, and

the display control unit performs control to display the graphic indicating the related information on a same screen of the display device on a basis of the position coordinates of the graphic indicating the related information calculated by the related graphic generating unit.

6. The display control device according to claim 5, wherein the data acquiring unit acquires a plurality of pieces of the related information, and

the related graphic generating unit determines whether or not to analyze second related information on a basis of an analysis result obtained by analyzing first related information among the plurality of pieces of the related information on a basis of the analytical criterion and, in a case where the second related information has been analyzed on a basis of the analytical criterion, generates the graphic indicating the related information on a basis of the analysis result of the second related information and calculates the position coordinates of the graphic indicating the related information.

7. The display control device according to claim 5, wherein the display control unit disposes the graphic indicating the related information at a preset position depending on either a size of the graphic indicating the design value or a size of the graphic indicating the actual value.

8. The display control device according to claim 7, wherein the display control unit disposes the graphic indicating the related information at a preset position depending on either the size of the graphic indicating the design value or the size of the graphic indicating the actual value for each unit time of the time axis or for entire time.

9. The display control device according to claim 1 or 2, wherein the graphic generating unit generates a graphic indicating a total value of the design values and a graphic indicating a total value of the actual values in a plurality of the target areas, and

the display control unit performs control to display the graphic indicating the total value of the design values for the plurality of target areas and the graphic

indicating the total value of the actual values of the plurality of target areas generated by the graphic generating unit on a same screen of the display device.

10. The display control device according to claim 5,
wherein the graphic generating unit generates a graphic indicating a total value of the design values and a graphic indicating a total value of the actual values in a plurality of the target areas, and

the display control unit performs control to display the graphic indicating the total value of the design values for the plurality of target areas and the graphic indicating the total value of the actual values of the plurality of target areas generated by the graphic generating unit on a same screen of the display device.

11. The display control device according to claim 9, further comprising a graphic transforming unit for performing control of a display by enlarging a graphic of a designated period among the graphics indicating the total value of the design values and the total value of the actual values of the plurality of target areas that are under display control by the display control unit and reducing a graphic of a period other than the designated period.

12. The display control device according to claim 10, further comprising a graphic transforming unit for performing control of a display by enlarging a graphic of a designated period among the graphics indicating the total value of the design values and the total value of the actual values of the plurality of target areas that are under display control by the display control unit and reducing a graphic of a period other than the designated period.

13. A display control method comprising the steps of:
by a data acquiring unit, acquiring a design value indicating a value as a control target and an actual value indicating an actual measurement value for state information indicating states of a plurality of target areas;
by a graphic generating unit, generating a graphic indicating the design value and generating a graphic indicating the actual value on a basis of position coordinates of the generated graphic indicating the design value using graphics that allow shapes of the graphic indicating the design value and the graphic indicating the actual value to be distinguished from each other when the graphic indicating the design value and the graphic indicating the actual value are superimposed and displayed while centers of gravity are matched; and
by a display control unit, performing control to display the graphic indicating the design value and the graphic indicating the actual value that have been generated on a same screen of a display device for each of the target areas.