CLAIMS

1. An information processing system, comprising:

a center server; and

a master alarm device having a gas alarm functionality for outputting an alarm when a target gas is detected, the master alarm device being located in an indoor space, wherein

the master alarm device:

obtains, from a gas meter that meters usage of gas used in the indoor space, meter reading information for a designated day of meter reading, via a first communications means for wirelessly communicating with the gas meter;

stores the obtained meter reading information into a first memory included in the master alarm device; and

transmits the meter reading information of the designated day of meter reading, stored in the first memory, to the center server via a second communications means for communicating with the center server;

the information processing system further comprising

a plurality of alarm devices including a plurality of the master alarm devices and a plurality of slave alarm devices having the gas alarm functionality, wherein

the plurality of slave alarm devices each:

obtain the meter reading information of the designated day of meter reading, from the gas meter via the first communications means;

store the obtained meter reading information into a second memory of the slave alarm device; and;

search alarm devices present around the slave alarm device, and transmit the meter reading information of the designated day of meter reading stored in the second memory to a first alarm device found through the search, wherein

when the first alarm device is the master alarm device, the first alarm device transmits the meter reading information of the designated day of meter reading stored in the second memory to the center server via the second communications means.

2. The information processing system according to claim 1, wherein

the master alarm device:

as a current date and time reaches a given time of the designated day of meter reading, obtains meter reading information of the current date and time by instructing the gas meter to transmit the meter reading information of the current date and time, via the first communications means; and

stores the obtained meter reading information of the current date and time into the first memory as the meter reading information of the designated day of meter reading.

3. The information processing system according to claim 1 or 2, wherein

the master alarm device:

when the target gas is detected in the indoor space, transmits detection information, indicating that the target gas is detected, to the gas meter and obtains shutoff information, indicating that the gas is shut off, from the gas meter as a response to the detection information, via the first communications means; and

transmits the shutoff information to the center server via the second communications means.

4. The information processing system according to any one of claims 1 to 3, wherein

when the transmission of the meter reading information of the designated day of meter reading to the center server is failed, the master alarm device re-transmits the meter reading information of the designated day of meter reading to the center server after a given time period has elapsed since the transmission is failed.

5. The information processing system according to any one of claims 1 to 4, wherein

when the transmission of the meter reading information of the designated day of meter reading to the center server is successful, the master alarm device deletes the meter reading information of the designated day of meter reading stored in the first memory.

6. The information processing system according to any one of claims 1 to 5, wherein

the master alarm device further includes

an electricity storage means that is, normally, charged with power supplied from a commercial power supply, and, when the power from the commercial power supply is lost, functions as an alternative power source for the master alarm device.

7. The information processing system according to any one of claims 1 to 6, wherein

the master alarm device:

further obtains imaging information captured by a camera located in the indoor space; and

when the target gas is detected in the indoor space, transmits the obtained imaging information to the center server via the second communications means.

8. The information processing system according to any one of claims 1 to 7, wherein

upon receipt of an emergency indication from a user, the master alarm device transmits emergency information to the center server via the second communications means.

9. The information processing system according to any one of claims 1 to 8, wherein

the master alarm device:

further obtains meter reading information for a designated day of meter reading from at least one of a water meter and an electricity meter via the first communications means; and

transmits the meter reading information of the designated day of meter reading obtained from the at least one of the water meter and the electricity meter to the center server via the second communications means.