determines whether a data loss is present.

This enables the data collection system to determine whether a data loss is present.

In an embodiment of the above data collection system, the reception-side apparatus acquires information about a communication state with the transmission-side apparatus. On the basis of the information about the communication state, the determination unit further determines a data loss period.

This enables the data collection system to determine whether a data loss is present and the data loss period.

In an embodiment of the above data collection system, if an abnormality is detected in communication with the reception-side apparatus, the transmission-side apparatus accumulates the data. If the abnormality is recovered in the communication with the reception-side apparatus, the transmission-side apparatus transmits, to the reception-side apparatus, accumulation data that is the data accumulated, an accumulation start date and time of the accumulation data, and an accumulation end date and time of the accumulation data. The determination unit of the reception-side apparatus further determines the data loss period. The data loss period is determined on the basis of the accumulation data, the accumulation start date and time of the accumulation data, and the accumulation end date and time of the accumulation data received from the transmission-side apparatus.

This enables the data collection system to determine whether a data loss is present and the data loss period in more detail.

In an embodiment of the above data collection system, if the data is accumulated, the accumulation end date and time of the accumulation data is continuously updated.

In an embodiment of the above data collection system, the transmission-side apparatus and the reception-side apparatus are continuously connected to each other. In response to interruption of the connection between the transmission-side apparatus and the reception-side apparatus, the reception-side apparatus detects the abnormality.

In an embodiment of the above data collection system, the reception-side apparatus further receives date-and-time information in addition to the data. On the basis of the date-and-time information, the reception-side apparatus determines whether the data untransmitted is present in the transmission-side apparatus.

In an embodiment of the above data collection system, if the transmission-side apparatus detects the abnormality in the communication with the reception-side apparatus, the reception-side apparatus does not execute aggregation processing of the data of the monitoring target.

This enables the data collection system to obtain a more accurate result of the aggregation processing of the data.

In an embodiment of the above data collection system, if a power source of the transmission-side apparatus is restored, the transmission-side apparatus transmits the accumulation data and the data of the monitoring target in a current state to the reception-side apparatus.

A reception-side apparatus according to a second aspect is a reception-side apparatus that collects data of a monitoring target by communicating with a transmission-side apparatus. The reception-side apparatus includes a reception unit and a determination unit. The reception unit receives the data from the transmission-side apparatus if the data has changed. The determination unit determines whether a data loss is present.

This enables the reception-side apparatus to determine whether a data loss is present.

An embodiment of the above data collection system further includes a transmission unit. The transmission unit transmits information about whether the data loss is present, which is determined by the determination unit, to another apparatus.

A data collection method according to a third aspect is a data collection method in a data collection system that collects data of a monitoring target by communication