# Links with
# Front-end Time Recording Systems

If **Time Management** is connected to an external data recording system, you must ensure that the functions of each system are clearly distinguished:

❑ The front-end, third-party time recording system should establish time facts, but have nothing to do with the evaluation of the time data.

❑ **Time Management** supplies the front-end data recording system with an extract of the basic data, what we call a mini-master record, and selected time balances, that is, if they are to be displayed on the recording terminal.

❑ The system collects the recorded times, stores them, and associates values with them.

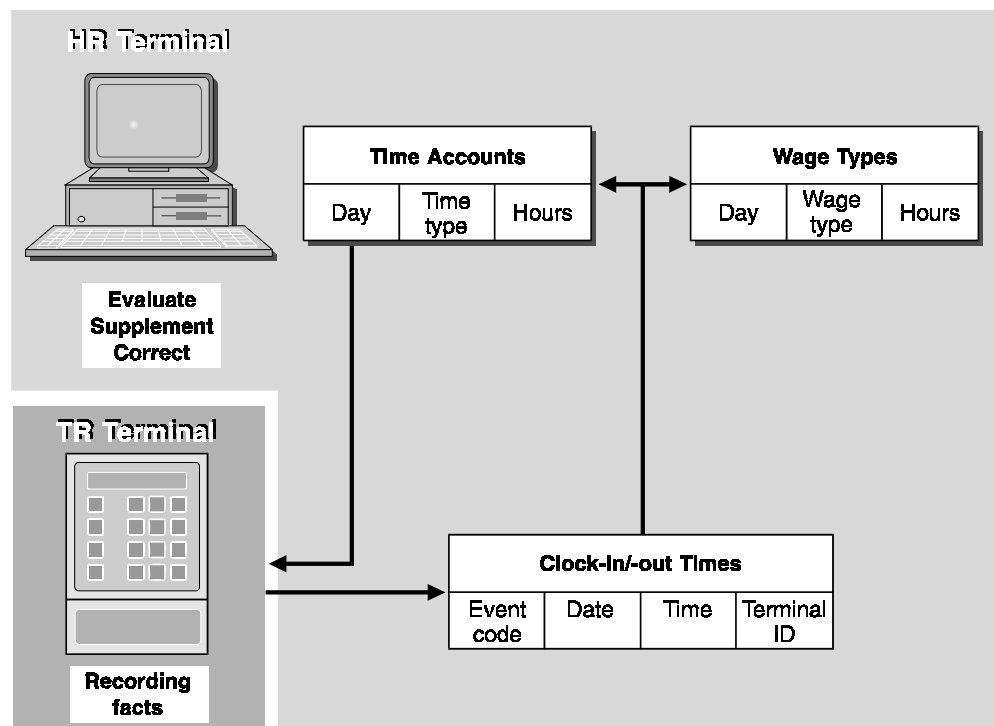❑ Any necessary corrections and additions are performed solely in **Time Management**.



**Figure 6-1: Positive recording with a front-end time recording system**

As previously mentioned, data entry of order-related times and quantities ideally occurs in conjunction with pure attendance time recording. The interface is also designed accordingly for confirming work orders or assigning data to projects or cost centers.

## Link to SAP PDC Interface

If, in addition to attendance time recording, other data is entered via subsystems (e.g. work order times, quantities, transport systems, etc.), the demand for uniform interfaces for all SAP applications grows.

In this context, a standard interface valid throughout the SAP System has been developed in cooperation with SAP-DASS (Shopfloor Control System). This interface guarantees trouble-free online transfer of time event data (e.g. clock-in/-out times) for PDC.

PDC Terminal

This connection variant is founded upon the SAP-DASS basis module. SAP-DASS is an R/3 development used for detailed planning of production and maintenance work orders and which also assumes the role of interfacing technical sub-systems to SAP throughout the SAP system. Linking SAP HR is performed via the standard log CPIC (a norm enabling you to link the most diverse hardware systems online). This guarantees online transfer of time and work order data for PDC and work attendance connections.

In contrast to other connection variants, this SAP configuration offers you a complete data transfer package. Your hardware partner only has to deliver a system which makes input data available. Another integrated part of this interface is formed by the verification coding defined by SAP to check data directly during data entry. Different hardware manufacturers have been, and still are, given the opportunity to develop coupling parameters compatible with SAP software and then test them at SAP.

We will be glad to provide you with a list of the hardware suppliers who have taken advantage of SAP's interfacing offer and whose developments have been adopted by SAP and successfully tested at customer sites.

If your company prefers to enter or process attendance time data separately from PDC messages, the SAP-DASS system allows you to transfer only attendance times to the HR system and work order confirmations to the component **Production Planning** and Control (PP). In this case the system gives you the option of comparing those time periods used for work orders with attendance times and then making any necessary corrections directly.
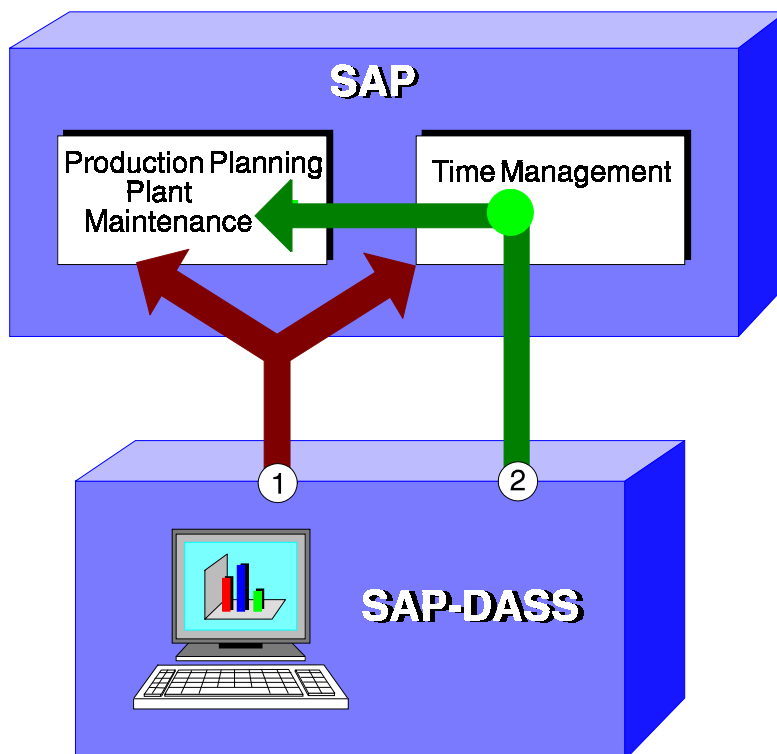


**Figure 6-3:  Variants of work order data entry**

What are the possibilities of a front-end Time Recording System?

❑   pure attendance time recording

❑   confirmation of work orders

❑   assigning hours to projects or cost centers