

## Evaluations and Statistics

Every report within the system is created in a uniform manner using the 4th generation programming language ABAP/4 (Advanced Business Application Programming) developed by SAP. ABAP/4 is an element of the SAP Basis System, which underlies every SAP business application. For this reason, no other special component is necessary as technical support for the user department.

ABAP/4

Numerous application-specific reports have already been defined by SAP and are contained in the functionality of various components. Figure 10-1 below shows a small selection of these reports. The standard release also includes some training reports with easy-to-understand examples from human resources work that you can use to become acquainted with handling the ABAP/4 language.

Predefined reports

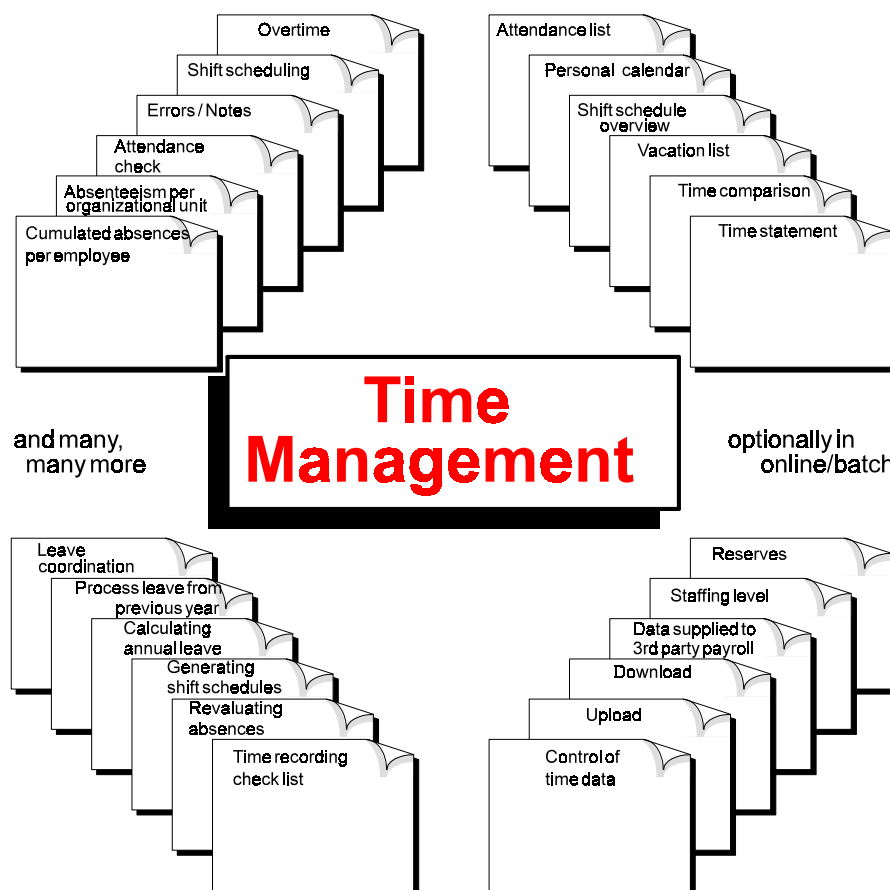


Figure 10-1: Predefined reports in ABAP/4 - SAP's 4th generation language

**Extending the list of existing reports**

Despite this large number of predefined reports, it may happen that a user wants to make a database evaluation in the form of a list which is not available in the standard release. For such cases, the development environment of the SAP System offers you the possibility of easily creating your own company-specific reports and/or evaluations using ABAP/4.

**User-defined reports**

ABAP/4 is a homogeneous tool that, on the one hand, permits the user to create simple evaluations and, on the other, can be employed by data processing professionals to solve the most complex problems.

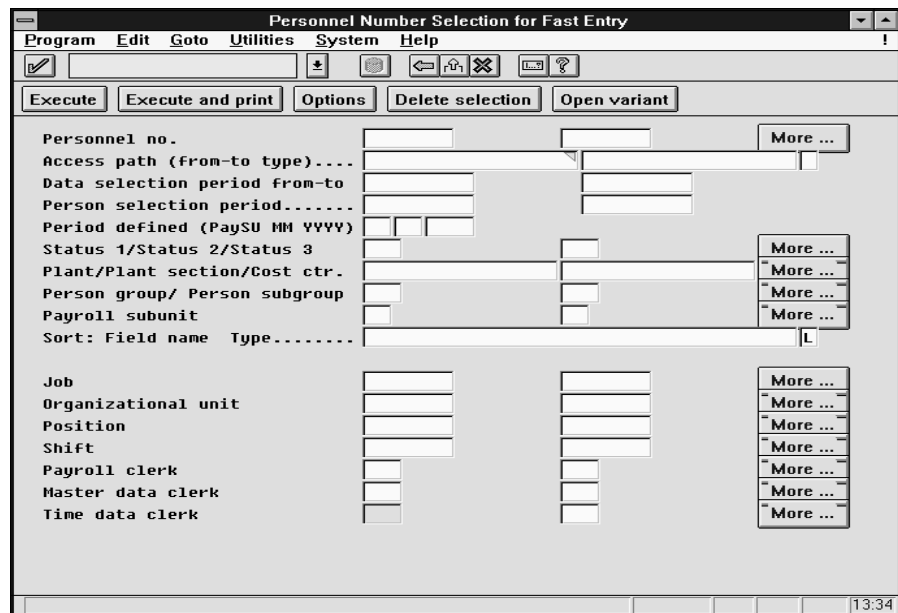
**ABAP Query**

Users without programming skills and those who only need evaluations for one-time use can take advantage of the functionality of ABAP/4 Query. The ABAP/4 Query system allows the user to define reports without programming one line of coding. Instead, the user merely specifies his/her requirements in interactive dialog with the system.

Data selection and the definition of the list format are menu-guided and self-explanatory. A report that creates such a list is then automatically generated by the system. The result of this generation is a normal ABAP/4 report, which you can modify or expand upon, if necessary, using other SAP development tools.

**Sorting**

In most cases, reports can be created in different sorting sequences without changing the report definition. Thus it is possible, for example, to sort a list by company code, within the company code by plant, then by department, and in each department alphabetically by employee. The same list can be created in a different sort sequence during another run.



**Figure 10-2: Standard selection screen with extended selection criteria**

**Selection**

Furthermore, another option allows you to select employees according to different classification criteria or by using matchcodes on data contents whenever a report is run. If the standard selection criteria for a report are insufficient, you can extend them by adding your own criteria.

The HR system is capable of creating data histories. When new, up-to-date information is entered, the system does not delete existing data, but instead only delimits it with respect to its period of validity. This permits you to create reports or evaluations at any time to scan for data valid for a past, present, and future date or period.

Key date and time period

Graphics as part of a management informations system is an optimum tool for representing what facts and figures mean as well as for recognizing trends and interrelationships.

SAP Presentation Graphics

SAP Presentation Graphics is easy to operate and enables you to display it in either a 2D or 3D image using any conventional graphics types. You can switch back and forth between these graphics types as well. What's more, it also allows you to navigate through various information areas, for example, by selecting individual lines or columns using the mouse or cursor positioning from the 3D image you can then display this data as a 2D image.

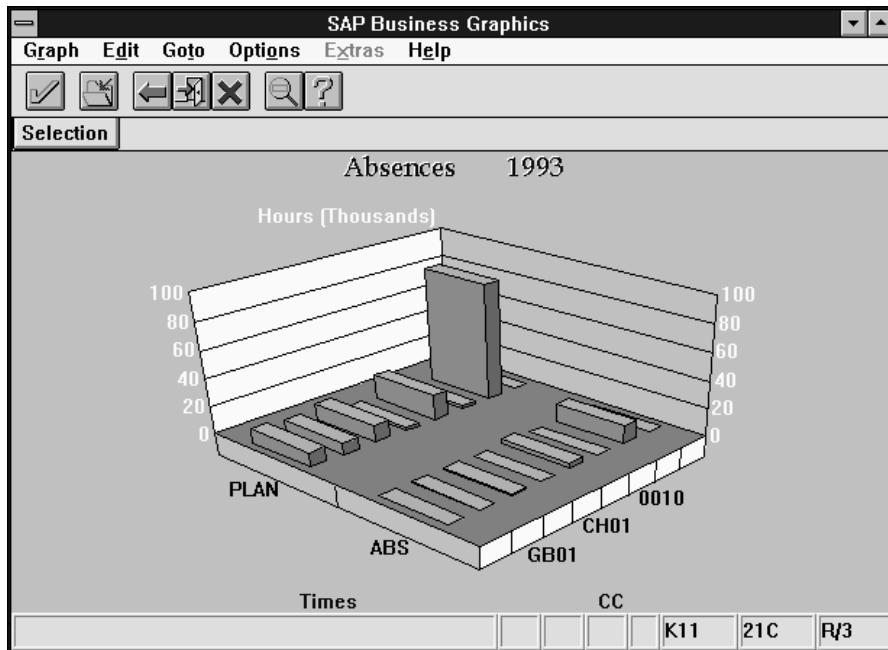


Figure 10-3: Example of SAP Presentation Graphics

Absences per company code/plant/cost center			
01/27/1994			
Evaluation period 01/01/1993 to 12/31/1993			
- Absences:			
	Absence type / Text	Days	Hours
CC			
0001	SAP AG		
0001	..... Absence time	1,776.53	13,488.25
0001	..... Target working hours	12,629.00	85,555.55
0001	..... Percentage of absences (%)	14.07	15.77
01/27/1994			
Absences per company code/plant/cost center			
Evaluation period 01/01/1993 to 12/31/1993			
- Absences:			
	Absence type / Text	Days	Hours
CC			
0010	SAP AG		
0010	..... Absence time	0.47	3.75
0010	..... Target working hours	261.00	2,075.00
0010	..... Percentage of absences (%)	0.18	0.18

Figure 10-3: Example of SAP Presentation Graphics

What kind of evaluation and statistics do we offer you?

- Standard evaluation
- User-defined reports
- Presentation Graphics in either a 2D or 3D Image