

## SADT

### Definition

«Structured Analysis and Design Technique».

It is a functional analysis tool of a given process, using successive levels of details.

The SADT method allows to define user needs for IT developments (very used in the industrial IS) but also to explain and to present an activity's manufacturing processes, procedures.

The complete method is heavy and rigorous but allows a very structured, ascending or descending functional analysis. Besides, the SADT is a very accessible graphic representation tool.

SADT's representation is the following:

A main box where is specified the name of the process or the action

On the left-hand side of this box, incoming arrows: inputs of the action.

On the upper part, the incoming arrows: data necessary for the action.

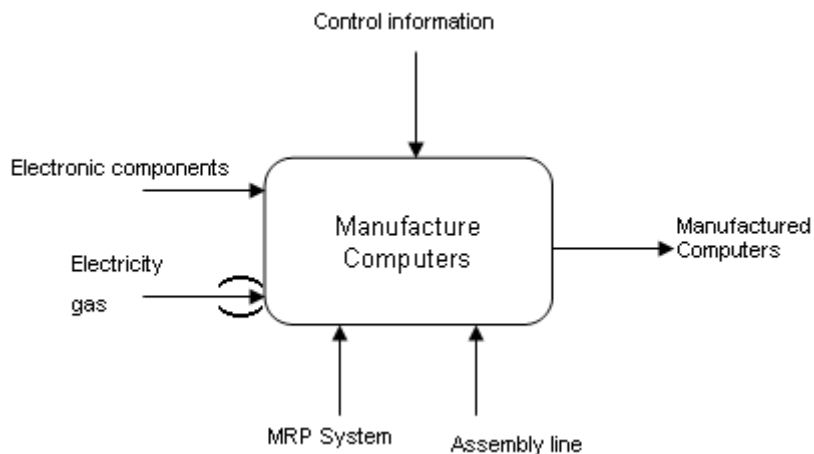
On the bottom of the box, incoming arrows: means used for the action.

On the right-hand side of the box, outgoing arrows: outputs of the action.

The SADT begins at the level 0 then can be detailed in lower levels (1, 2, 3..). For example, at the level 1, the level 0 box will be detailed in several elementary boxes and so on...

Example

Level 0



Level 1

The action « Manufacture computers », can be declined for example into 4 boxes: « receive electronic components », « store electronic components », « bring electronic components to the assembly line », « Assemble computers »