

# 7.01 Analysis

# Analysis stages

The analysis stage starts with the definition of the problem, and a feasibility study. It involves looking at the problem with the client requirements and needs.

The analyst knows about computer system and what is possible. In response to the problem definition, the analyst produces a report that states what is possible. This is called the **feasibility study** and the feasibility study is accepted then this is when the collection of information begins.



# Method of researching an existing system

- Observation
- Interview
- Questionnaires
- Document collection



# Requirement specification

As the analyst collects data about the existing system and its problems, a list will be forming of what will be necessary in the solution. This list is the **requirements specification** and will include what the organisation wants the system to do, details about the storage requirements, and information about the desired hardware and software.

The requirements specification lists the things that, after consultation, the organisation has decided must be successfully done to satisfy them, and the analyst has agreed that this is what can be delivered. This agreement is extremely important to both parties and the agreement must be clear in what is expected. It is going to provide the 'rules' around which the final evaluation will be carried out.

Once the requirement specification is agreed, it leads to the next stage.

# Advantage and disadvantage

Method	Advantage	Disadvantage
Observation	Allows the systems analyst to gather first-hand, unbiased information.	Often people won't be working as they normally do if they are being watched.
Interviews	A lot of very detailed information can be gathered.	Interviews take a long time so they are not possible if large groups of people are involved.
Questionnaires	A questionnaire is a quick and simple way to gather information.	Information gathered is limited by question asked and people, they don't always take time to fill in a questionnaire well.

**THANKS FOR YOUR ATTENTION**