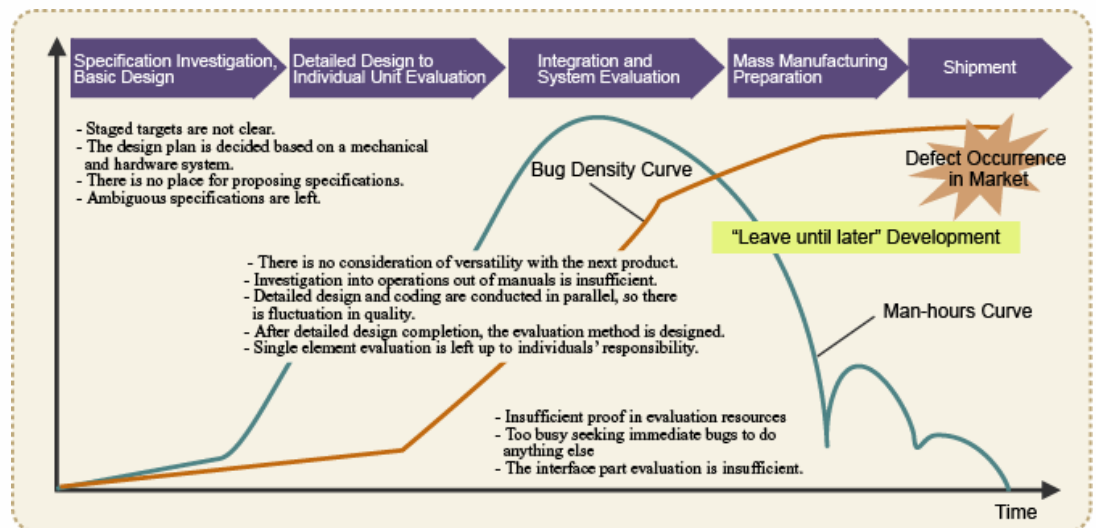




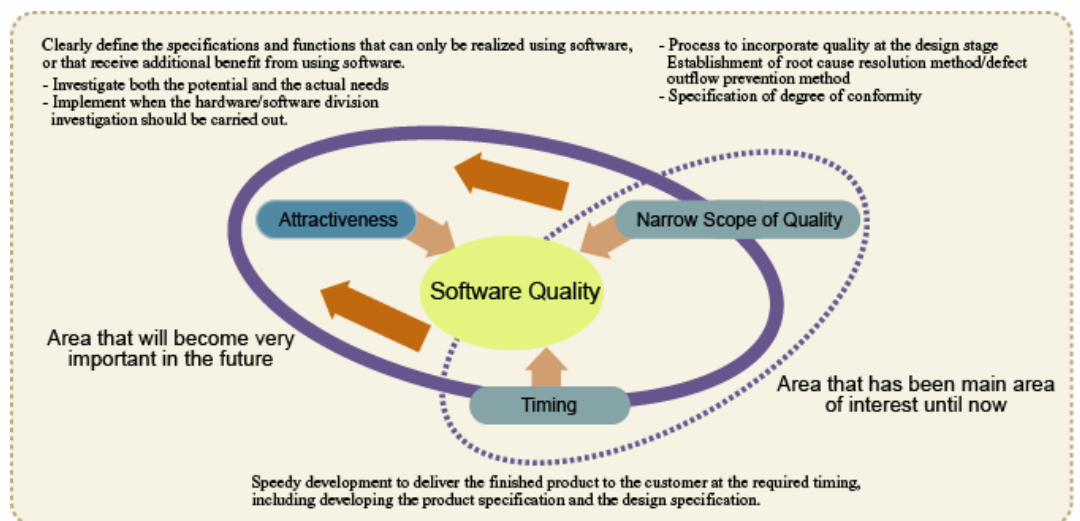
■ Critical Issues

In order to overcome software quality challenges, it is vital not only to prevent problems at user's sites, but to prevent reworks in the design operations and any problem in the post process. In your worksite, do you have any problem mentioned in red in the diagram below? JMAC reviews the design mechanisms from the beginning stage, aiming for successful quality innovation.



■ JMAC Concept

■ JMAC considers software quality under the following three focal points, including “attractiveness”.





JMAC Features

JMAC sets the elements that decide the product software quality level in the following eight areas, and clarifies the current problems and issues from each of these viewpoints.



- ✓ **Practical, including both static and dynamic approach.**
Transform the DR (Design Review) effective only for the main operational process into the DR designed for quality establishment.
- ✓ **Also consider attractiveness of software products.**
Plan for reform, awareness changes and human resource strengthening for the software departments participating in the project
- ✓ **Applying different approaches for each software development feature.**
Application software/ middleware/ firmware, system LSI, etc.

Results

Consulting example

Client needs and target product in Company A

- Development of data analysis computer
- Parallel development of master machines for several users
- In parallel with the development, we would like to offer active proposals and win contracts.

Critical issues

- Frequent specification changes required by customers
- Frequent specification changes in post-processing, due to insufficient verification at the commencement of development.
- Difficulty in responding to diversification in customer requests under the condition that development of designs for advance order users is prioritized.

Keys for improvement measures

- Prior production of specification sheets allowing prior submission to customers
- Fix specifications requiring the greatest amount of design rework together with customers.
- Revise the specification sheet clarifying the fixed items, and then review it.

Main activity results

- Number of defects found during inspection: 450 reduced to 10
- Number of field claims: 50 reduced to 0
- Increase in sales