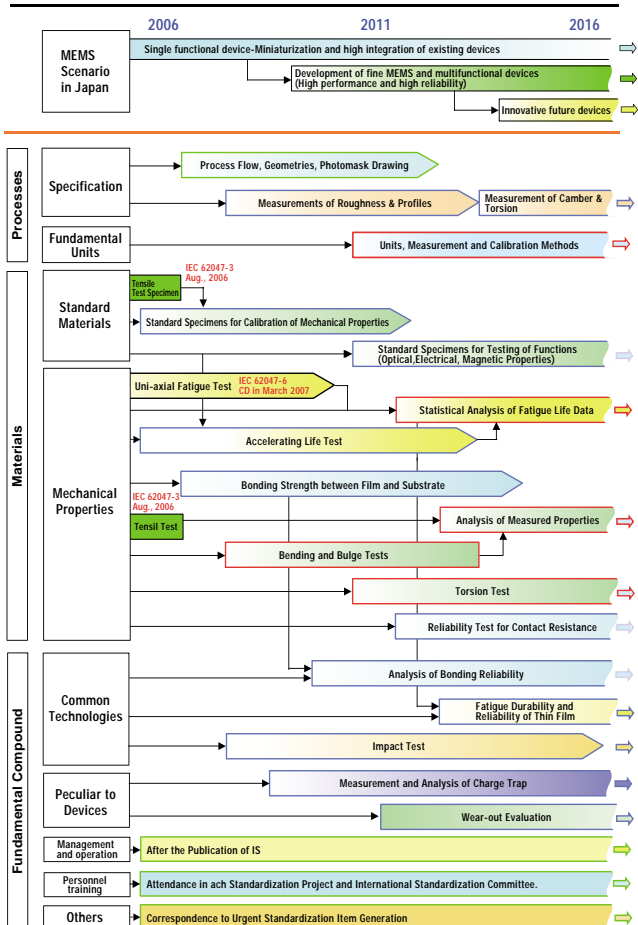


MEMS Standardization Roadmaps

Recognizing the need for a mechanism to promote international standardization activities in MEMS fields in a strategic manner, the Micromachine Center has established roadmaps to serve as a guide for future international standardization activities. Specifically, as the technologies and products in MEMS fields are diverse, these have been divided into two main categories – fundamental technologies and MEMS devices – and for each category a roadmap for the next 10 years has been prepared.

With regard to the fundamental technologies for MEMS, technical fields were divided into three categories: processing and process technologies, material technologies and fundamental compound technologies. For each of these categories, a technology map for standardization was prepared, based on a study of technological and standardization trends, and each standardization item was ranked in terms of priority to create the roadmap.

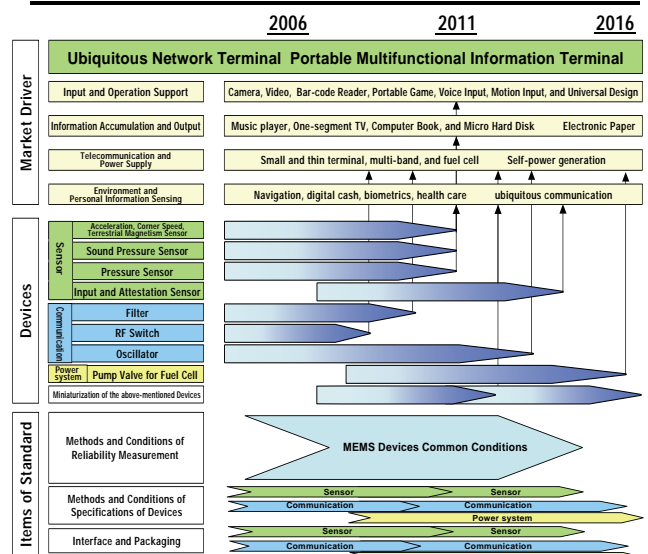
MEMS Standardization Roadmap for Fundamental Technologies



With regard to MEMS devices, the focus was on the two major application fields of automobiles and information & communications (mobile devices). For each field, future market trends and needs, standardization trends, and the items needed for standardization were identified, and each item was ranked in terms of priority to create the roadmap.

In the future, based on these MEMS standardization roadmaps, the creation of international standards will be promoted in a strategic manner, strengthening international competitiveness in MEMS fields.

MEMS Standardization Road Map in Cellular Phone



MEMS Standardization Road Map in Automotive Application

