Obsolescence [Non-physical Ageing]



- Non-physical Ageing of "Obsolescence" has become an issue in addition to physical ageing.
- ◆ Following three regulatory frameworks applicable to Obsolescence are currently in place.
 - a) Revision of regulatory requirements and back-fitting
 - b) Ageing management plan in the regulatory requirements
 - c) Periodic Safety Assessment of Continuous Improvement by licensees
- While applying these three frameworks, the NRA has been discussing how to address "Obsolescence".

Image of Regulatory Response to "Obsolescence"

New findings/knowledge from international/domestic accidents/incidents, regulatory trends, safety researches, etc.

Identification of "Obsolescence" necessary to take actions

Back-fitting

Revision of regulatory requirements to compensate for relatively "old designs".
e.g., To requite measures against severe accidents which are not required in the "old design".

Facility Management

In order to maintain the compliance to the technical standards ,additional maintenance activities for ageing management should be identified and carried out, in addition to regular maintenance activities.

Ageing Management Plan

Periodic Safety Assessment of Continuous Improvement

Assessment of both changes in the external environmental such as natural hazards and of whether ageing managements are effective (including management of obsolete products).