

A Study on the Major Influencing Factors in Decision-making in Abnormal Radiological Situations

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Abstract

This paper describes the task of the technical advisers within the off-site emergency response organization in nuclear accident. They shall be collected and evaluated all influencing factors relevant in decision-making process. The major influencing objective factors are the result of radiological and economic consequence assessments. However, it is associated with uncertainties in predictions dependent of the phase of the accident. Important other factors emerge from subjective arguments between technical advisers in decision-making process. By theirs different opinions, the decision maker who is lack of experience and knowledge has a much more difficult to make and implement the emergency actions. Therefore, the practically considerations in a concrete emergency situation are timely implemented the emergency actions result from already existing plans. The actual process of decision-making consists in identifying in an iterative process implementing individual actions or a set of combined action.

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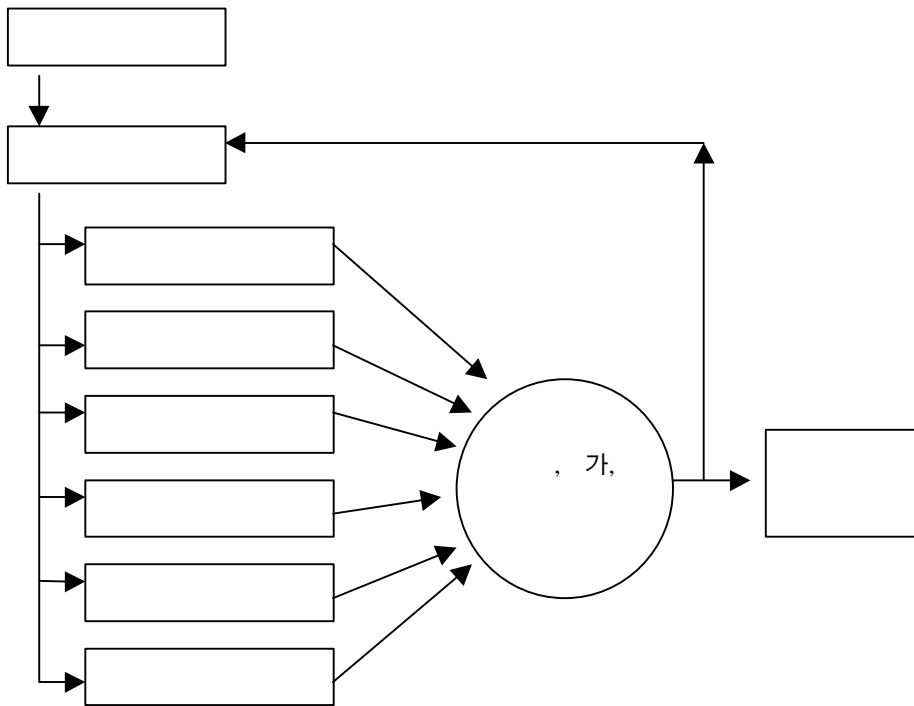
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1. International Atomic Energy Agency(IAEA), Intervention Criteria in a Nuclear or Radiation Emergency, IAEA Safety Series No.109
2. Hans Brunner, Off-site Emergency Planning and Response to Nuclear Accidents, NAZ (2000)
3. J. Ehrhardt, Role of Technical Advisors in Decision-making, IKE (2000)
4. Serge Pretre, Decision-making in abnormal radiological situations, HSK (1998)
5. Federal Commission for AC Protection(KOMAC), Concept for the Emergency Protection in the Vicinity of NPPs, KIMAC (1998)