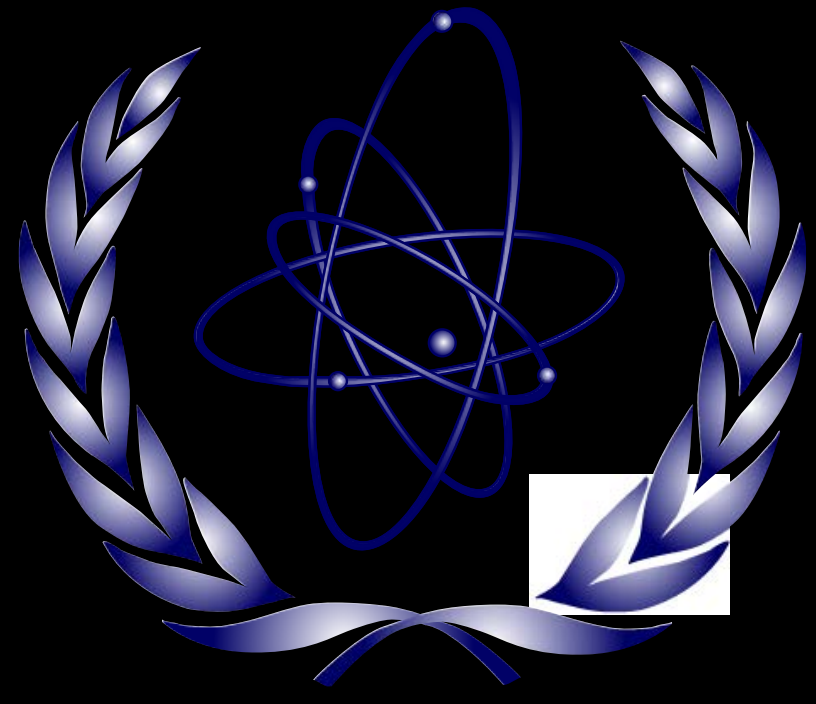
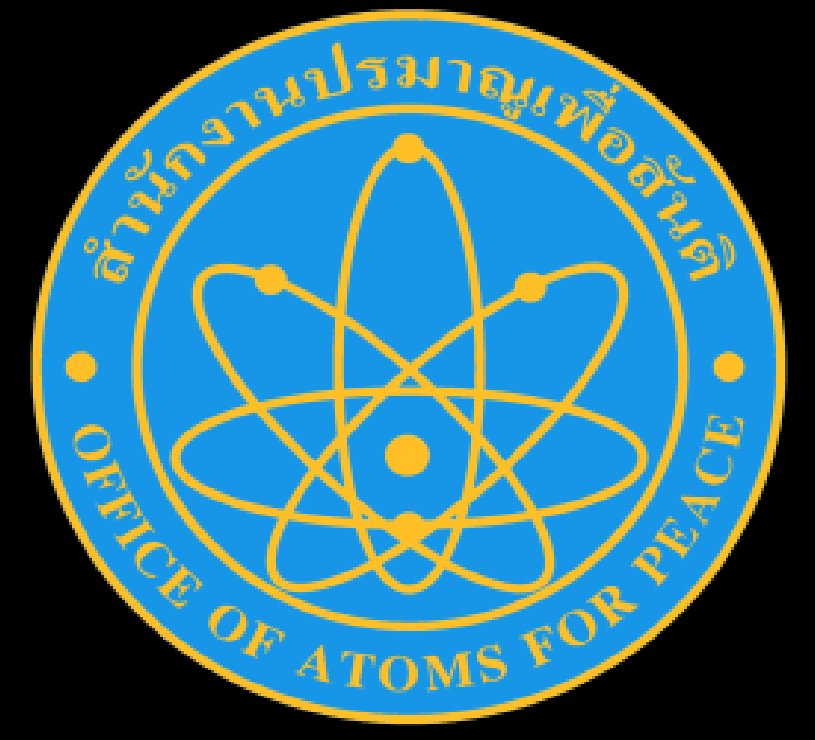


# PROPOSED NUCLEAR SECURITY INSPECTOR QUALIFICATION PROGRAM



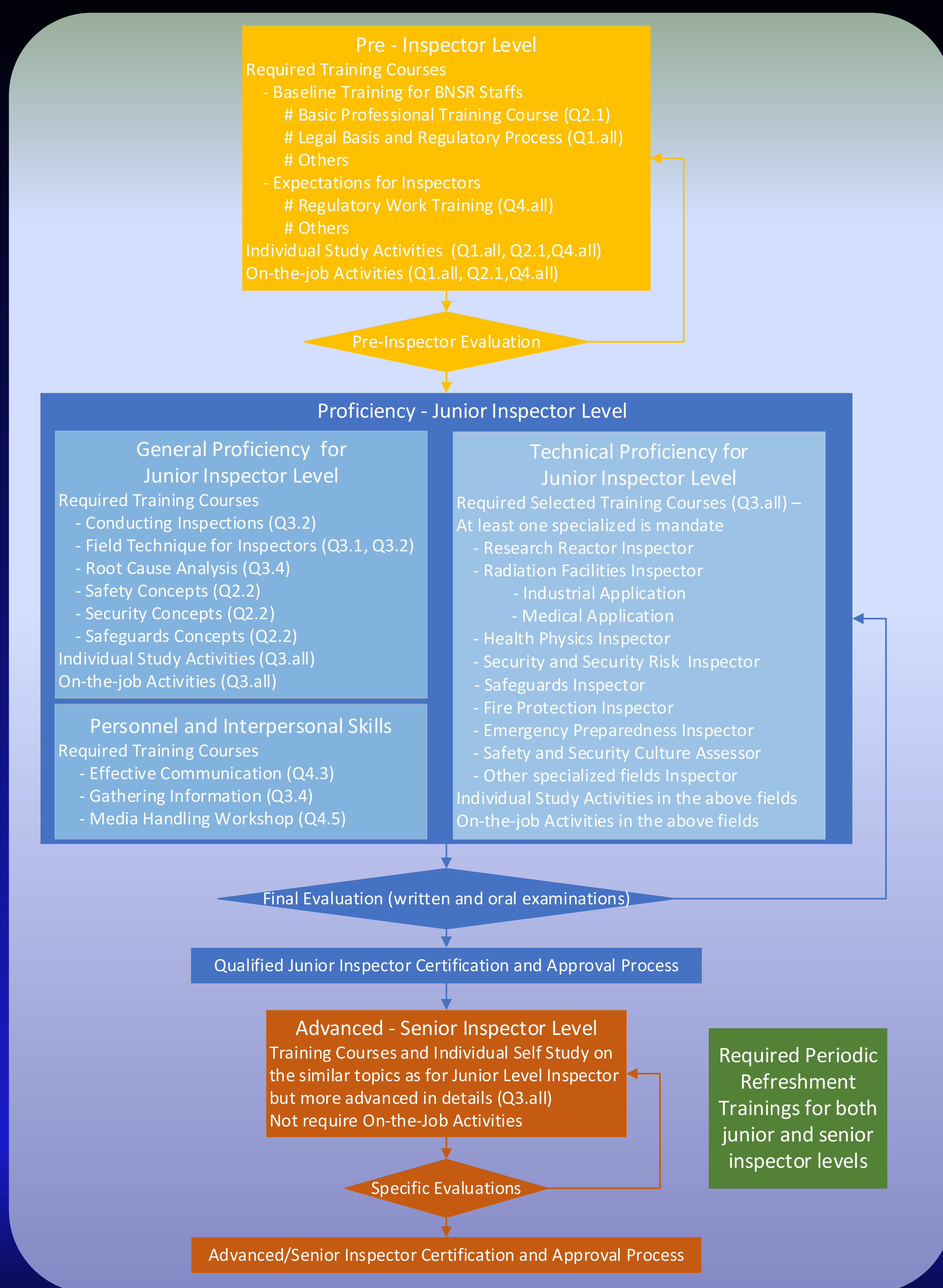
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## 1. Background

The Nuclear Energy for Peace Act (NEPA) 2016 (BE2559) delegates nuclear and radiation regulatory authorities to Office of Atoms for Peace (OAP). Article 107 of this act empowers OAP designated inspectors with regulatory oversight and early phase enforcement activities. However, this act does not allow nor specify the qualifications of these designated inspectors. Hence the Government Administration Act 1991 (BE2534) must be used as reference for setting up the requirements for inspector qualification program and system to be used in OAP. In this work, various inspector qualification systems from well developed countries have been reviewed in order to design new OAP's inspector qualification program. It intends to differentiate type and specialization of inspectors, i.e. safety areas, security areas and safeguards areas. The proposed program divides interested personnel/inspectors into 3 levels, Pre-inspector, Junior inspector and Senior inspector. Competence, i.e. Knowledge, Skills and Attitudes (KSA) required to comprehend by each type and level of inspectors have been identified. Study of major aspects of the proposed changes to the program such as advantages and disadvantages when implement the proposed program has been performing as well as finding the solutions to smoothen the change process. The aim is to seek as much information in all areas to support the decision making in the organization. The benefit is clear that the qualified inspectors have competence to perform regulatory inspection and enforcement under Article 102 of the new Act, i.e. NEPA 2016

## 2. Program Structure



## 3. Foreseen Implementation Challenges

### 3.1 Human Related

- # Prospect qualified inspector  
**Readiness, willingness, and commitment**
- # Prospect evaluators/committees  
**Lack of qualified in specific fields**

### 3.2. Financial Related

- # Hosting training course, funding On-the-Job activities, funding possible external evaluators, etc.

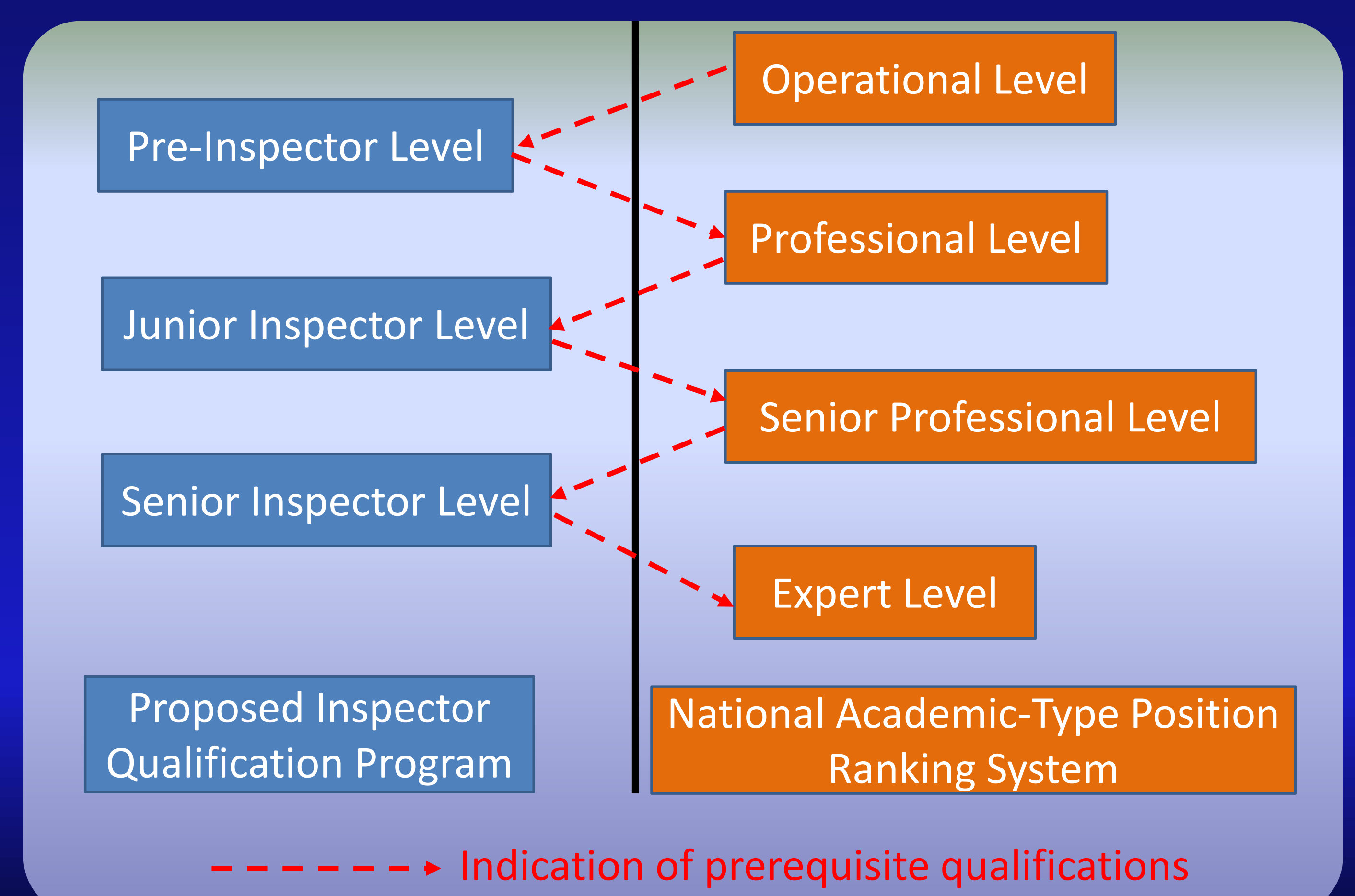
### 3.3. Infrastructure Related

- # Lack of facilities to host specific On-the-Job activities
- # Developing of training courses and training materials

### 3.4. Management System (MS)/Administration Related

- # Newly introduced process to the current management system will need MS adjustments

## 4. Sustainability : Mapping with National Ranking System for positions with inspection responsibilities



## 5. Conclusions

The new designed OAP's inspector qualification program was proposed. The detailed studies on various topics were performed; such as basis for the implementation and its limitations, possible implementation challenges, and benefits of the program implementations. This program will be the first pilot program to be adopted and used in the organization. The next practical program is assessor/reviewer qualification program which will subject to further studies.