

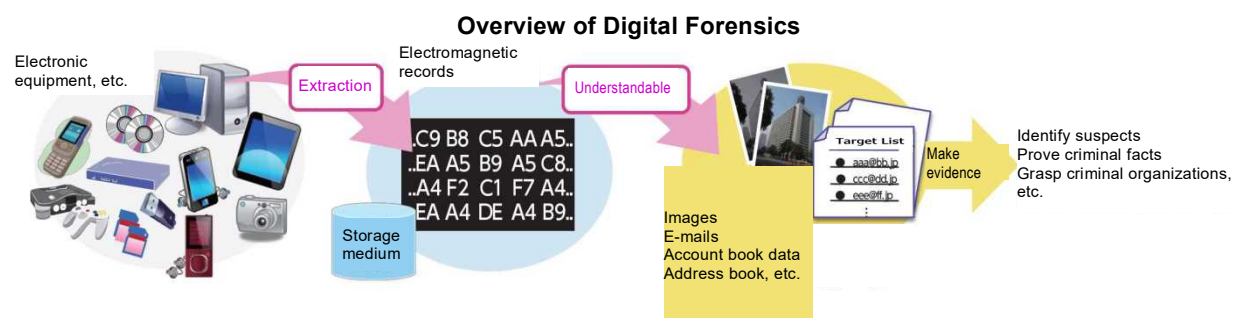
## Topic V: Information Technology Analysis Supporting Police Investigation

### (1) Importance of Information Technology Analysis

#### ○ Digital Forensics

In order to make stored information in electronic equipment into criminal evidences, it is necessary to analyze electromagnetic records, concretely extract such records from electronic equipment and convert them into a file format which is understandable by human perception such as characters file and images file. However, since electromagnetic records can be easily erased and altered, it is important to analyze records and make evidences through appropriate procedures in order to utilize them in criminal investigations.

Therefore, High-Tech Crime Technology Divisions in the NPA and local branch offices provide technical support using digital forensics for criminal investigations in prefectural police department.



#### ○ Cyberforce

The police have established Cyberforce across the country to provide technical support, such as understanding the actual situation of threats in cyberspace, preventing damage from expanding in the event of a cyber-attack, and preserving evidence. The NPA's Cyberforce Center also collects and analyzes technical information.

### (2) Actions to Improve Capabilities for Analysis ○ Responses to the Latest Technologies

The police are promoting technical cooperation with private companies and research institutions that have the latest technologies, continuously collecting technical information. In addition, the NPA is promoting researches and studies on cutting-edge ICT technologies that also can be used for criminal purposes. Furthermore, the police are developing analysis methods, preparing materials and equipment, and developing personnel with advanced analysis technology.

#### ○ Cooperation with Relevant Organizations in Japan and Abroad

The NPA makes efforts to accumulate know-how and technologies regarding information technology analysis by strengthening cooperation with Japanese and overseas related organizations and groups. For example, the NPA holds meetings on digital forensic among related domestic organizations to share knowledge and experience regarding information technology analysis.

## Topic VI: Revisions and Prospects for the Heisei Era

Taking the opportunity that the Heisei era of about 30 years has come to an end and a new era "Reiwa" has started, the Heisei era of about 30 years was divided into roughly every 10 years, and the major events faced by the police and the situations that triggered the legal revisions, etc. in each period were selected, arranged according to the period when these events occurred and reviewed. In addition, the prospects to look at the new age based on them were also described.

In recent years, Japan's society has seen major changes due to population decline, rapid aging, globalization, and expanded use of cyberspace as well as the development of academic science. The police must adapt to these changes in society in order to constantly respond to new and changing security challenges.