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| **Evaluation Card** | | | | | | | | | |
| 1. Device: Mobile phone | | | | | | | | | |
| 2. Number: 1-1-1-1 | | | | | | | | | |
| **3. Data Type** | | | | | | | | | |
| Text | Image | | Video | | App / .exe | | Network | | Storage |
| ∨ | ∨ | | ∨ | | ∨ | | ∨ | | ∨ |
| 3. Miscellaneous: GPS, E-Mail, SNS, NFC, Bluetooth | | | | | | | | | |
| **4. Evaluation Store** | | | | | | | | | |
| 4.1. Importance of evidence | | | | | | | | | |
| Not important ↔ Important | | | | | | | | | |
| 1 | | 2 | | 3 | | 4 | | 5 ∨ | |
| 4.1.1. Evaluation criteria  Quantity of data about contact: Call record, SNS, Text message, Image, Video,  E-Mail  Quantity of data about whereabouts: GPS, SNS, Wi-Fi, NFC, Bluetooth | | | | | | | | | |
| 4.2. Difficulty of acquiring evidence | | | | | | | | | |
| Easy ↔ Difficult | | | | | | | | | |
| 1 ∨ | | 2 | | 3 | | 4 | | 5 | |
| 4.2.1. Evaluation criteria  Penetration rate (Availability): Almost everywhere  Required tools / technology for investigation: XRY, TULP 2G, etc. | | | | | | | | | |

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| **Evaluation Card** | | | | | | | | | |
| 1. Device: Laptop Computer | | | | | | | | | |
| 2. Number: 1-1-1-2 | | | | | | | | | |
| **3. Data Type** | | | | | | | | | |
| Text | Image | | Video | | App / .exe | | Network | | Storage |
| ∨ | ∨ | | ∨ | | ∨ | | ∨ | | ∨ |
| 3. Miscellaneous: Internet Search History, SNS, E-Mail | | | | | | | | | |
| **4. Evaluation Store** | | | | | | | | | |
| 4.1. Importance of evidence | | | | | | | | | |
| Not important ↔ Important | | | | | | | | | |
| 1 | | 2 | | 3 | | 4 | | 5 ∨ | |
| 4.1.1. Evaluation criteria  Quantity of data about contact: SNS, Image, Video, E-Mail  Quantity of data about whereabouts: SNS, Internet Search History | | | | | | | | | |
| 4.2. Difficulty of acquiring evidence | | | | | | | | | |
| Easy ↔ Difficult | | | | | | | | | |
| 1 ∨ | | 2 | | 3 | | 4 | | 5 | |
| 4.2.1. Evaluation criteria  Penetration rate (Availability): Almost every place  Required tools / technology for investigation: CrowdResponse, Volatility, HxD, etc. | | | | | | | | | |

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| **Evaluation Card** | | | | | | | | | |
| 1. Device: Tablet | | | | | | | | | |
| 2. Number: 1-1-1-3 | | | | | | | | | |
| **3. Data Type** | | | | | | | | | |
| Text | Image | | Video | | App / .exe | | Network | | Storage |
| ∨ | ∨ | | ∨ | | ∨ | | ∨ | | ∨ |
| 3. Miscellaneous: Internet Search History, SNS, E-Mail | | | | | | | | | |
| **4. Evaluation Store** | | | | | | | | | |
| 4.1. Importance of evidence | | | | | | | | | |
| Not important ↔ Important | | | | | | | | | |
| 1 | | 2 | | 3 | | 4 ∨ | | 5 | |
| 4.1.1. Evaluation criteria  Quantity of data: Same as computer | | | | | | | | | |
| 4.2. Difficulty of acquiring evidence | | | | | | | | | |
| Easy ↔ Difficult | | | | | | | | | |
| 1 | | 2 | | 3 ∨ | | 4 | | 5 | |
| 4.2.1. Evaluation criteria  Penetration rate (Availability): About 20% worldwide [1]  Required tools / technology for investigation: ForenScope | | | | | | | | | |

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| **Evaluation Card** | | | | | | | | | |
| 1. Device: Digital Camera | | | | | | | | | |
| 2. Number: 1-1-1-4 | | | | | | | | | |
| **3. Data Type** | | | | | | | | | |
| Text | Image | | Video | | App / .exe | | Network | | Storage |
|  | ∨ | | ∨ | |  | |  | |  |
| 3. Miscellaneous: | | | | | | | | | |
| **4. Evaluation Store** | | | | | | | | | |
| 4.1. Importance of evidence | | | | | | | | | |
| Not important ↔ Important | | | | | | | | | |
| 1 | | 2 | | 3 ∨ | | 4 | | 5 | |
| 4.1.1. Evaluation criteria  Quantity of data about contact: Image, Video  Quantity of data about whereabouts: Image, Video | | | | | | | | | |
| 4.2. Difficulty of acquiring evidence | | | | | | | | | |
| Easy ↔ Difficult | | | | | | | | | |
| 1 | | 2 | | 3 ∨ | | 4 | | 5 | |
| 4.2.1. Evaluation criteria  Penetration rate (Availability): About 20% worldwide [1]  Required tools / technology for investigation: CameraForensics | | | | | | | | | |

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| **Evaluation Card** | | | | | | | | | |
| 1. Device: Smartwatch | | | | | | | | | |
| 2. Number: 1-1-1-5 | | | | | | | | | |
| **3. Data Type** | | | | | | | | | |
| Text | Image | | Video | | App / .exe | | Network | | Storage |
| ∨ |  | |  | | ∨ | | ∨ | |  |
| 3. Miscellaneous: Bluetooth | | | | | | | | | |
| **4. Evaluation Store** | | | | | | | | | |
| 4.1. Importance of evidence | | | | | | | | | |
| Not important ↔ Important | | | | | | | | | |
| 1 | | 2 | | 3 ∨ | | 4 | | 5 | |
| 4.1.1. Evaluation criteria  Quantity of data about contact: Call record, SNS, Text message, E-Mail  Quantity of data about whereabouts: GPS, SNS, Wi-Fi, NFC, Bluetooth | | | | | | | | | |
| 4.2. Difficulty of acquiring evidence | | | | | | | | | |
| Easy ↔ Difficult | | | | | | | | | |
| 1 | | 2 | | 3 ∨ | | 4 | | 5 | |
| 4.2.1. Evaluation criteria  Penetration rate (Availability): Above 10% ~ 15%  Required tools / technology for investigation: [2] | | | | | | | | | |

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| **Evaluation Card** | | | | | | | | | |
| 1. Device: Physical Activity Tracker | | | | | | | | | |
| 2. Number: 1-1-1-6 | | | | | | | | | |
| **3. Data Type** | | | | | | | | | |
| Text | Image | | Video | | App / .exe | | Network | | Storage |
|  |  | |  | |  | |  | |  |
| 3. Miscellaneous: Physical information, SNS | | | | | | | | | |
| **4. Evaluation Store** | | | | | | | | | |
| 4.1. Importance of evidence | | | | | | | | | |
| Not important ↔ Important | | | | | | | | | |
| 1 ∨ | | 2 | | 3 | | 4 | | 5 | |
| 4.1.1. Evaluation criteria  Quantity of data about contact: SNS  Quantity of data about whereabouts: SNS | | | | | | | | | |
| 4.2. Difficulty of acquiring evidence | | | | | | | | | |
| Easy ↔ Difficult | | | | | | | | | |
| 1 | | 2 | | 3 | | 4 ∨ | | 5 | |
| 4.2.1. Evaluation criteria  Penetration rate (Availability): About 10%  Required tools / technology for investigation: No such tools | | | | | | | | | |

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| **Evaluation Card** | | | | | | | | | |
| 1. Device: Removable media – External Hard Disk | | | | | | | | | |
| 2. Number: 1-1-1-7-1 | | | | | | | | | |
| **3. Data Type** | | | | | | | | | |
| Text | Image | | Video | | App / .exe | | Network | | Storage |
| ∨ | ∨ | | ∨ | |  | |  | |  |
| 3. Miscellaneous: | | | | | | | | | |
| **4. Evaluation Store** | | | | | | | | | |
| 4.1. Importance of evidence | | | | | | | | | |
| Not important ↔ Important | | | | | | | | | |
| 1 | | 2 | | 3 ∨ | | 4 | | 5 | |
| 4.1.1. Evaluation criteria  Quantity of data about contact: Image, Video  Quantity of data about whereabouts: Image, Video | | | | | | | | | |
| 4.2. Difficulty of acquiring evidence | | | | | | | | | |
| Easy ↔ Difficult | | | | | | | | | |
| 1 | | 2 | | 3 ∨ | | 4 | | 5 | |
| 4.2.1. Evaluation criteria  Penetration rate (Availability): Moderate (30% ~ 40%)  Required tools / technology for investigation: File system forensic tools | | | | | | | | | |

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| **Evaluation Card** | | | | | | | | | |
| 1. Device: Removable media – USB Memory | | | | | | | | | |
| 2. Number: 1-1-1-7-2 | | | | | | | | | |
| **3. Data Type** | | | | | | | | | |
| Text | Image | | Video | | App / .exe | | Network | | Storage |
| ∨ | ∨ | | ∨ | |  | |  | |  |
| 3. Miscellaneous: | | | | | | | | | |
| **4. Evaluation Store** | | | | | | | | | |
| 4.1. Importance of evidence | | | | | | | | | |
| Not important ↔ Important | | | | | | | | | |
| 1 | | 2 | | 3 ∨ | | 4 | | 5 | |
| 4.1.1. Evaluation criteria  Quantity of data about contact: Image, Video  Quantity of data about whereabouts: Image, Video | | | | | | | | | |
| 4.2. Difficulty of acquiring evidence | | | | | | | | | |
| Easy ↔ Difficult | | | | | | | | | |
| 1 | | 2 ∨ | | 3 | | 4 | | 5 | |
| 4.2.1. Evaluation criteria  Penetration rate (Availability): Lots of availability  Required tools / technology for investigation: DSi USB Write Blocker, USB Historian | | | | | | | | | |

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| **Evaluation Card** | | | | | | | | | |
| 1. Device: Removable media – SD Card | | | | | | | | | |
| 2. Number: 1-1-1-7-3 | | | | | | | | | |
| **3. Data Type** | | | | | | | | | |
| Text | Image | | Video | | App / .exe | | Network | | Storage |
| ∨ | ∨ | | ∨ | |  | |  | |  |
| 3. Miscellaneous: | | | | | | | | | |
| **4. Evaluation Store** | | | | | | | | | |
| 4.1. Importance of evidence | | | | | | | | | |
| Not important ↔ Important | | | | | | | | | |
| 1 | | 2 ∨ | | 3 | | 4 | | 5 | |
| 4.1.1. Evaluation criteria  Quantity of data about contact: Image, Video  Quantity of data about whereabouts: Image, Video | | | | | | | | | |
| 4.2. Difficulty of acquiring evidence | | | | | | | | | |
| Easy ↔ Difficult | | | | | | | | | |
| 1 | | 2 | | 3 | | 4 ∨ | | 5 | |
| 4.2.1. Evaluation criteria  Penetration rate (Availability): Not more than USB or hard disk  Required tools / technology for investigation: [3] | | | | | | | | | |

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| **Evaluation Card** | | | | | | | | | |
| 1. Device: Transportation payment card (T-money) | | | | | | | | | |
| 2. Number: 1-1-1-8 | | | | | | | | | |
| **3. Data Type** | | | | | | | | | |
| Text | Image | | Video | | App / .exe | | Network | | Storage |
|  |  | |  | |  | |  | |  |
| 3. Miscellaneous: Travel time data | | | | | | | | | |
| **4. Evaluation Store** | | | | | | | | | |
| 4.1. Importance of evidence | | | | | | | | | |
| Not important ↔ Important | | | | | | | | | |
| 1 | | 2 | | 3 ∨ | | 4 | | 5 | |
| 4.1.1. Evaluation criteria  Quantity of data about contact:  Quantity of data about whereabouts: Travel time data | | | | | | | | | |
| 4.2. Difficulty of acquiring evidence | | | | | | | | | |
| Easy ↔ Difficult | | | | | | | | | |
| 1 ∨ | | 2 | | 3 | | 4 | | 5 | |
| 4.2.1. Evaluation criteria  Penetration rate (Availability): Most people that don’t have own car  Required tools / technology for investigation: Provided from company | | | | | | | | | |

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| **Evaluation Card** | | | | | | | | | |
| 1. Device: Credit Card | | | | | | | | | |
| 2. Number: 1-1-1-9 | | | | | | | | | |
| **3. Data Type** | | | | | | | | | |
| Text | Image | | Video | | App / .exe | | Network | | Storage |
|  |  | |  | |  | |  | |  |
| 3. Miscellaneous: Payment record | | | | | | | | | |
| **4. Evaluation Store** | | | | | | | | | |
| 4.1. Importance of evidence | | | | | | | | | |
| Not important ↔ Important | | | | | | | | | |
| 1 | | 2 | | 3 ∨ | | 4 | | 5 | |
| 4.1.1. Evaluation criteria  Quantity of data about contact:  Quantity of data about whereabouts: Payment record | | | | | | | | | |
| 4.2. Difficulty of acquiring evidence | | | | | | | | | |
| Easy ↔ Difficult | | | | | | | | | |
| 1 | | 2 ∨ | | 3 | | 4 | | 5 | |
| 4.2.1. Evaluation criteria  Penetration rate (Availability): Most people  Required tools / technology for investigation: Provided from company | | | | | | | | | |

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| **Evaluation Card** | | | | | | | | | |
| 1. Device: Electronic entrance card | | | | | | | | | |
| 2. Number: 1-1-1-10 | | | | | | | | | |
| **3. Data Type** | | | | | | | | | |
| Text | Image | | Video | | App / .exe | | Network | | Storage |
|  |  | |  | |  | |  | |  |
| 3. Miscellaneous: Access record | | | | | | | | | |
| **4. Evaluation Store** | | | | | | | | | |
| 4.1. Importance of evidence | | | | | | | | | |
| Not important ↔ Important | | | | | | | | | |
| 1 | | 2 | | 3 ∨ | | 4 | | 5 | |
| 4.1.1. Evaluation criteria  Quantity of data about contact:  Quantity of data about whereabouts: Access record | | | | | | | | | |
| 4.2. Difficulty of acquiring evidence | | | | | | | | | |
| Easy ↔ Difficult | | | | | | | | | |
| 1 | | 2 ∨ | | 3 | | 4 | | 5 | |
| 4.2.1. Evaluation criteria  Penetration rate (Availability): Every employee  Required tools / technology for investigation: Provided from company | | | | | | | | | |

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| **Evaluation Card** | | | | | | | | | |
| 1. Device: Embedded system of the vehicle | | | | | | | | | |
| 2. Number: 1-1-2-1 | | | | | | | | | |
| **3. Data Type** | | | | | | | | | |
| Text | Image | | Video | | App / .exe | | Network | | Storage |
|  |  | |  | |  | | ∨ | |  |
| 3. Miscellaneous: | | | | | | | | | |
| **4. Evaluation Store** | | | | | | | | | |
| 4.1. Importance of evidence | | | | | | | | | |
| Not important ↔ Important | | | | | | | | | |
| 1 ∨ | | 2 | | 3 | | 4 | | 5 | |
| 4.1.1. Evaluation criteria  Quantity of data about contact:  Quantity of data about whereabouts: Internet access | | | | | | | | | |
| 4.2. Difficulty of acquiring evidence | | | | | | | | | |
| Easy ↔ Difficult | | | | | | | | | |
| 1 | | 2 | | 3 ∨ | | 4 | | 5 | |
| 4.2.1. Evaluation criteria  Penetration rate (Availability): Every vehicle, options are different each other  Required tools / technology for investigation | | | | | | | | | |

\* Embedded system of vehicle may not have important information except GPS. After connected car is developed and commercialized, vehicle will be more important entities in contact tracing.

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| **Evaluation Card** | | | | | | | | | |
| 1. Device: Blackbox | | | | | | | | | |
| 2. Number: 1-1-2-2 | | | | | | | | | |
| **3. Data Type** | | | | | | | | | |
| Text | Image | | Video | | App / .exe | | Network | | Storage |
|  |  | | ∨ | |  | |  | |  |
| 3. Miscellaneous: | | | | | | | | | |
| **4. Evaluation Store** | | | | | | | | | |
| 4.1. Importance of evidence | | | | | | | | | |
| Not important ↔ Important | | | | | | | | | |
| 1 | | 2 ∨ | | 3 | | 4 | | 5 | |
| 4.1.1. Evaluation criteria  Quantity of data about contact: Video  Quantity of data about whereabouts: Video | | | | | | | | | |
| 4.2. Difficulty of acquiring evidence | | | | | | | | | |
| Easy ↔ Difficult | | | | | | | | | |
| 1 | | 2 ∨ | | 3 | | 4 | | 5 | |
| 4.2.1. Evaluation criteria  Penetration rate (Availability): Most vehicles  Required tools / technology for investigation: No such tools needed | | | | | | | | | |

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| **Evaluation Card** | | | | | | | | | |
| 1. Device: HiPass | | | | | | | | | |
| 2. Number: 1-1-2-3 | | | | | | | | | |
| **3. Data Type** | | | | | | | | | |
| Text | Image | | Video | | App / .exe | | Network | | Storage |
|  |  | |  | |  | |  | |  |
| 3. Miscellaneous: Through record | | | | | | | | | |
| **4. Evaluation Store** | | | | | | | | | |
| 4.1. Importance of evidence | | | | | | | | | |
| Not important ↔ Important | | | | | | | | | |
| 1 | | 2 ∨ | | 3 | | 4 | | 5 | |
| 4.1.1. Evaluation criteria  Quantity of data about contact:  Quantity of data about whereabouts: Through record | | | | | | | | | |
| 4.2. Difficulty of acquiring evidence | | | | | | | | | |
| Easy ↔ Difficult | | | | | | | | | |
| 1 | | 2 ∨ | | 3 | | 4 | | 5 | |
| 4.2.1. Evaluation criteria  Penetration rate (Availability): Most vehicles  Required tools / technology for investigation: Provided from company | | | | | | | | | |

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| **Evaluation Card** | | | | | | | | | |
| 1. Device: Navigator (GPS) | | | | | | | | | |
| 2. Number: 1-1-2-4 | | | | | | | | | |
| **3. Data Type** | | | | | | | | | |
| Text | Image | | Video | | App / .exe | | Network | | Storage |
|  |  | |  | |  | |  | |  |
| 3. Miscellaneous: | | | | | | | | | |
| **4. Evaluation Store** | | | | | | | | | |
| 4.1. Importance of evidence | | | | | | | | | |
| Not important ↔ Important | | | | | | | | | |
| 1 | | 2 | | 3 ∨ | | 4 | | 5 | |
| 4.1.1. Evaluation criteria  Quantity of data about contact:  Quantity of data about whereabouts: GPS Data | | | | | | | | | |
| 4.2. Difficulty of acquiring evidence | | | | | | | | | |
| Easy ↔ Difficult | | | | | | | | | |
| 1 | | 2 | | 3 ∨ | | 4 | | 5 | |
| 4.2.1. Evaluation criteria  Penetration rate (Availability): Most recent vehicles  Required tools / technology for investigation: [4] | | | | | | | | | |

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| **Evaluation Card** | | | | | | | | | |
| 1. Device: Game Console | | | | | | | | | |
| 2. Number: 1-2-1-1 | | | | | | | | | |
| **3. Data Type** | | | | | | | | | |
| Text | Image | | Video | | App / .exe | | Network | | Storage |
|  | ∨ | | ∨ | |  | |  | |  |
| 3. Miscellaneous: Usage log | | | | | | | | | |
| **4. Evaluation Store** | | | | | | | | | |
| 4.1. Importance of evidence | | | | | | | | | |
| Not important ↔ Important | | | | | | | | | |
| 1 ∨ | | 2 | | 3 | | 4 | | 5 | |
| 4.1.1. Evaluation criteria  Quantity of data about contact:  Quantity of data about whereabouts: Usage log (Stay at home or not) | | | | | | | | | |
| 4.2. Difficulty of acquiring evidence | | | | | | | | | |
| Easy ↔ Difficult | | | | | | | | | |
| 1 ∨ | | 2 | | 3 | | 4 | | 5 | |
| 4.2.1. Evaluation criteria  Penetration rate (Availability):  Required tools / technology for investigation: No tools needed | | | | | | | | | |

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| **Evaluation Card** | | | | | | | | | |
| 1. Device: Smart TV | | | | | | | | | |
| 2. Number: 1-2-1-2 | | | | | | | | | |
| **3. Data Type** | | | | | | | | | |
| Text | Image | | Video | | App / .exe | | Network | | Storage |
|  | ∨ | | ∨ | | ∨ | | ∨ | | ∨ |
| 3. Miscellaneous: | | | | | | | | | |
| **4. Evaluation Store** | | | | | | | | | |
| 4.1. Importance of evidence | | | | | | | | | |
| Not important ↔ Important | | | | | | | | | |
| 1 | | 2 | | 3 ∨ | | 4 | | 5 | |
| 4.1.1. Evaluation criteria  Quantity of data about contact: E-mail  Quantity of data about whereabouts: Internet record | | | | | | | | | |
| 4.2. Difficulty of acquiring evidence | | | | | | | | | |
| Easy ↔ Difficult | | | | | | | | | |
| 1 | | 2 | | 3 | | 4 ∨ | | 5 | |
| 4.2.1. Evaluation criteria  Penetration rate (Availability): Below 10% [5]  Required tools / technology for investigation: [6] | | | | | | | | | |

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| **Evaluation Card** | | | | | | | | | |
| 1. Device: Security Camera (in residential location) | | | | | | | | | |
| 2. Number: 1-2-1-3 | | | | | | | | | |
| **3. Data Type** | | | | | | | | | |
| Text | Image | | Video | | App / .exe | | Network | | Storage |
|  |  | | ∨ | |  | |  | |  |
| 3. Miscellaneous: | | | | | | | | | |
| **4. Evaluation Store** | | | | | | | | | |
| 4.1. Importance of evidence | | | | | | | | | |
| Not important ↔ Important | | | | | | | | | |
| 1 | | 2 ∨ | | 3 | | 4 | | 5 | |
| 4.1.1. Evaluation criteria  Quantity of data about contact: Video  Quantity of data about whereabouts: Video | | | | | | | | | |
| 4.2. Difficulty of acquiring evidence | | | | | | | | | |
| Easy ↔ Difficult | | | | | | | | | |
| 1 | | 2 | | 3 | | 4 ∨ | | 5 | |
| 4.2.1. Evaluation criteria  Penetration rate (Availability): Mostly webcam or built-in camera in laptop  Required tools / technology for investigation: [7] | | | | | | | | | |

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| **Evaluation Card** | | | | | | | | | |
| 1. Device: Office desktop | | | | | | | | | |
| 2. Number: 1-2-2-1 | | | | | | | | | |
| **3. Data Type** | | | | | | | | | |
| Text | Image | | Video | | App / .exe | | Network | | Storage |
| ∨ | ∨ | | ∨ | | ∨ | | ∨ | | ∨ |
| 3. Miscellaneous: Internet Search History, E-Mail | | | | | | | | | |
| **4. Evaluation Store** | | | | | | | | | |
| 4.1. Importance of evidence | | | | | | | | | |
| Not important ↔ Important | | | | | | | | | |
| 2 | | 2 | | 3 | | 4 ∨ | | 5 | |
| 4.1.1. Evaluation criteria  Quantity of data about contact: E-Mail  Quantity of data about whereabouts: Internet Search History | | | | | | | | | |
| 4.2. Difficulty of acquiring evidence | | | | | | | | | |
| Easy ↔ Difficult | | | | | | | | | |
| 1 | | 2 ∨ | | 3 | | 4 | | 5 | |
| 4.2.1. Evaluation criteria  Penetration rate (Availability): Almost every office  Required tools / technology for investigation: CrowdResponse, Volatility, HxD, etc. | | | | | | | | | |

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| **Evaluation Card** | | | | | | | | | |
| 1. Device: Security Camera (in working location) | | | | | | | | | |
| 2. Number: 1-2-2-2 | | | | | | | | | |
| **3. Data Type** | | | | | | | | | |
| Text | Image | | Video | | App / .exe | | Network | | Storage |
|  |  | | ∨ | |  | |  | |  |
| 3. Miscellaneous: | | | | | | | | | |
| **4. Evaluation Store** | | | | | | | | | |
| 4.1. Importance of evidence | | | | | | | | | |
| Not important ↔ Important | | | | | | | | | |
| 2 | | 2 | | 3 ∨ | | 4 | | 5 | |
| 4.1.1. Evaluation criteria  Quantity of data about contact: Video  Quantity of data about whereabouts: Video | | | | | | | | | |
| 4.2. Difficulty of acquiring evidence | | | | | | | | | |
| Easy ↔ Difficult | | | | | | | | | |
| 1 | | 2 | | 3 ∨ | | 4 | | 5 | |
| 4.2.1. Evaluation criteria  Penetration rate (Availability): About 30% of companies (by KOSIS)  Required tools / technology for investigation: [7] | | | | | | | | | |

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| **Evaluation Card** | | | | | | | | | |
| 1. Device: CCTV camera | | | | | | | | | |
| 2. Number: 2-1 | | | | | | | | | |
| **3. Data Type** | | | | | | | | | |
| Text | Image | | Video | | App / .exe | | Network | | Storage |
|  |  | | ∨ | |  | |  | |  |
| 3. Miscellaneous: | | | | | | | | | |
| **4. Evaluation Store** | | | | | | | | | |
| 4.1. Importance of evidence | | | | | | | | | |
| Not important ↔ Important | | | | | | | | | |
| 2 | | 2 | | 3 | | 4 ∨ | | 5 | |
| 4.1.1. Evaluation criteria  Quantity of data about contact: Video  Quantity of data about whereabouts: Video | | | | | | | | | |
| 4.2. Difficulty of acquiring evidence | | | | | | | | | |
| Easy ↔ Difficult | | | | | | | | | |
| 1 | | 2 ∨ | | 3 | | 4 | | 5 | |
| 4.2.1. Evaluation criteria  Penetration rate (Availability): Every metropolitan area, about 70% of rural area (by KOSIS)  Required tools / technology for investigation: [7] | | | | | | | | | |

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| **Evaluation Card** | | | | | | | | | |
| 1. Device: Wireless network switch / router log | | | | | | | | | |
| 2. Number: 2-2 | | | | | | | | | |
| **3. Data Type** | | | | | | | | | |
| Text | Image | | Video | | App / .exe | | Network | | Storage |
|  |  | |  | |  | | ∨ | |  |
| 3. Miscellaneous: | | | | | | | | | |
| **4. Evaluation Store** | | | | | | | | | |
| 4.1. Importance of evidence | | | | | | | | | |
| Not important ↔ Important | | | | | | | | | |
| 2 | | 2 | | 3 | | 4 ∨ | | 5 | |
| 4.1.1. Evaluation criteria  Quantity of data about contact:  Quantity of data about whereabouts: Access log | | | | | | | | | |
| 4.2. Difficulty of acquiring evidence | | | | | | | | | |
| Easy ↔ Difficult | | | | | | | | | |
| 1 | | 2 ∨ | | 3 | | 4 | | 5 | |
| 4.2.1. Evaluation criteria  Penetration rate (Availability): Most metropolitan area  Required tools / technology for investigation: Provided from company | | | | | | | | | |

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| **Evaluation Card** | | | | | | | | | |
| 1. Device: Electronic entrance record / Parking lot entrance record | | | | | | | | | |
| 2. Number: 2-3 | | | | | | | | | |
| **3. Data Type** | | | | | | | | | |
| Text | Image | | Video | | App / .exe | | Network | | Storage |
| ∨ |  | |  | |  | |  | |  |
| 3. Miscellaneous: | | | | | | | | | |
| **4. Evaluation Store** | | | | | | | | | |
| 4.1. Importance of evidence | | | | | | | | | |
| Not important ↔ Important | | | | | | | | | |
| 2 | | 2 | | 3 ∨ | | 4 | | 5 | |
| 4.1.1. Evaluation criteria  Quantity of data about contact:  Quantity of data about whereabouts: Entry/Exit record | | | | | | | | | |
| 4.2. Difficulty of acquiring evidence | | | | | | | | | |
| Easy ↔ Difficult | | | | | | | | | |
| 1 | | 2 ∨ | | 3 | | 4 | | 5 | |
| 4.2.1. Evaluation criteria  Penetration rate (Availability): Most recent residential location, office  Required tools / technology for investigation: Provided from company | | | | | | | | | |

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| **Evaluation Card** | | | | | | | | | |
| 1. Device: Cloud drives | | | | | | | | | |
| 2. Number: 3-1 | | | | | | | | | |
| **3. Data Type** | | | | | | | | | |
| Text | Image | | Video | | App / .exe | | Network | | Storage |
| ∨ | ∨ | | ∨ | | ∨ | | ∨ | | ∨ |
| 3. Miscellaneous: | | | | | | | | | |
| **4. Evaluation Store** | | | | | | | | | |
| 4.1. Importance of evidence | | | | | | | | | |
| Not important ↔ Important | | | | | | | | | |
| 2 | | 2 ∨ | | 3 | | 4 | | 5 | |
| 4.1.1. Evaluation criteria  Quantity of data about contact:  Quantity of data about whereabouts: | | | | | | | | | |
| 4.2. Difficulty of acquiring evidence | | | | | | | | | |
| Easy ↔ Difficult | | | | | | | | | |
| 1 | | 2 ∨ | | 3 | | 4 | | 5 | |
| 4.2.1. Evaluation criteria  Penetration rate (Availability):  Required tools / technology for investigation: [8] | | | | | | | | | |

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| **Evaluation Card** | | | | | | | | | |
| 1. Device: E-mail account | | | | | | | | | |
| 2. Number: 3-2 | | | | | | | | | |
| **3. Data Type** | | | | | | | | | |
| Text | Image | | Video | | App / .exe | | Network | | Storage |
| ∨ | ∨ | | ∨ | |  | | ∨ | |  |
| 3. Miscellaneous: | | | | | | | | | |
| **4. Evaluation Store** | | | | | | | | | |
| 4.1. Importance of evidence | | | | | | | | | |
| Not important ↔ Important | | | | | | | | | |
| 2 | | 2 | | 3 | | 4 ∨ | | 5 | |
| 4.1.1. Evaluation criteria  Quantity of data about contact:  Quantity of data about whereabouts: | | | | | | | | | |
| 4.2. Difficulty of acquiring evidence | | | | | | | | | |
| Easy ↔ Difficult | | | | | | | | | |
| 1 | | 2 ∨ | | 3 | | 4 | | 5 | |
| 4.2.1. Evaluation criteria  Penetration rate (Availability): Almost every member of society  Required tools / technology for investigation: Log search, Wireshark | | | | | | | | | |

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| **Evaluation Card** | | | | | | | | | |
| 1. Device: SNS | | | | | | | | | |
| 2. Number: 3-3 | | | | | | | | | |
| **3. Data Type** | | | | | | | | | |
| Text | Image | | Video | | App / .exe | | Network | | Storage |
| ∨ | ∨ | | ∨ | |  | | ∨ | |  |
| 3. Miscellaneous: | | | | | | | | | |
| **4. Evaluation Store** | | | | | | | | | |
| 4.1. Importance of evidence | | | | | | | | | |
| Not important ↔ Important | | | | | | | | | |
| 2 | | 2 | | 3 | | 4 | | 5 ∨ | |
| 4.1.1. Evaluation criteria  Quantity of data about contact: Timeline, Messanger  Quantity of data about whereabouts: Location information | | | | | | | | | |
| 4.2. Difficulty of acquiring evidence | | | | | | | | | |
| Easy ↔ Difficult | | | | | | | | | |
| 1 | | 2 | | 3 ∨ | | 4 | | 5 | |
| 4.2.1. Evaluation criteria  Penetration rate (Availability): 85% in South Korea (by Statista)  Required tools / technology for investigation: [9] | | | | | | | | | |

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