|  |  |  |  |
| --- | --- | --- | --- |
| **STATE GOVERNMENT**  **information security**  ***Competency & Functional Framework***  **Functional Perspectives:** | | | |
| ***STATE GOVERNMENT INFORMATION SECURITY ROLES*** | | | | | | | | | | | | | | | |
| ***Executive (Managerial)*** | | | | | | | | ***Functional (Technical)*** | | | | | | | |
| **Chief**  **Information Security Officer** | | **Privacy**  **Officer** | | **Information Security Officer or Manager** | | **Compliance**  **Officer**  **(Information**  **Assurance)** | | **Information Security**  **Engineer** | | **Information Security Professional** | | **Information**  **Security**  **Operations &**  **Maintenance**  **Professional** | | **Information Security System**  **Administration**  **Professional** | |
| **M -**  **D -**  **I -**  **E -** | | | **Manage**  **Design**  **Implement**  **Evaluate** |
| **Information Security Competencies** | **1** | **Data (Information) Security** | | **m** |  | **m** | **D** | **M** | **D** |  |  |  | **d** |  | **d** |  |  |  | **d** |
|  |  |  | **e** |  | **e** |  | **e** | **I** | **E** | **i** |  | **i** | **e** | **i** | **e** |
| **2** | **Digital Forensics** | | **m** |  |  |  |  |  |  |  |  | **d** |  |  |  |  |  |  |
|  |  |  | **e** | **i** |  |  | **e** |  | **e** |  | **e** | **i** |  | **i** |  |
| **3** | **Enterprise Architecture** | |  |  |  |  |  |  |  |  | **m** | **d** |  |  |  |  |  |  |
|  | **e** |  |  |  |  |  | **e** | **i** | **e** |  | **e** | **i** | **e** | **i** | **e** |
| **4** | **Enterprise Continuity (Disaster Recovery)** | | **m** |  |  |  |  |  |  |  |  | **d** |  | **d** |  | **d** |  | **d** |
|  |  |  | **e** |  | **e** |  | **e** | **i** | **e** | **i** | **e** | **i** |  | **i** | **e** |
| **5** | **Incident Management** | | **m** |  | **M** | **D** |  | **d** |  |  |  | **d** |  | **d** |  | **d** |  | **d** |
|  |  | **I** | **e** |  | **e** |  | **e** | **i** | **e** | **i** | **e** | **i** | **e** | **i** | **e** |
| **6** | **Information Security Training and Awareness** | | **m** |  |  | **d** |  | **d** |  | **D** |  | **d** |  |  |  |  |  |  |
|  |  |  | **e** | **i** | **e** |  | **e** | **i** | **e** | **i** | **e** | **i** | **e** | **i** | **e** |
| **7** | **IT Systems Operations and Maintenance** | |  |  |  |  |  |  |  |  |  | **d** |  |  | **m** | **d** | **m** | **d** |
|  |  |  |  |  |  |  | **e** | **i** | **e** |  | **e** | **i** | **e** | **i** | **e** |
| **8** | **Network and Telecommunications Security** | |  |  |  |  |  |  |  |  | **m** | **d** |  |  | **m** | **d** | **m** | **d** |
|  | **e** |  |  |  |  |  | **E** | **i** | **e** |  | **e** | **i** | **e** | **i** | **e** |
| **9** | **Physical and Personnel Security** | | **m** |  |  | **D** | **M** | **d** |  |  |  |  |  | **d** |  |  |  | **d** |
|  |  | **I** | **E** |  | **e** |  | **E** | **i** | **e** | **I** | **E** |  | **e** | **i** | **e** |
| **10** | **Policies, Standards and Compliance (Information Assurance)** | | **m** |  |  | **D** |  |  | **M** | **D** |  |  |  |  |  |  |  |  |
|  | **e** | **I** | **E** | **i** | **e** | **I** | **E** | **i** |  | **i** | **E** | **i** | **E** | **i** | **E** |
| **11** | **Privacy** | | **m** | **d** | **M** | **D** |  |  |  |  |  | **d** |  | **d** |  |  |  |  |
|  |  | **I** | **e** |  |  |  | **E** |  | **e** | **i** | **e** |  | **e** |  | **e** |
| **12** | **Procurement** | | **m** | **D** |  |  |  |  |  |  |  | **D** |  | **D** |  |  |  |  |
|  | **e** |  | **e** |  |  |  | **E** |  | **E** | **i** | **e** |  | **e** |  | **e** |
| **13** | **Security Risk Management** | | **m** | **d** | **M** | **D** |  | **d** |  |  |  | **d** |  | **d** |  |  |  | **d** |
|  |  | **I** | **e** | **i** | **e** | **I** | **E** | **i** | **e** | **i** | **e** |  | **i** | **i** | **e** |
| **14** | **Strategic Security Management** | | **m** | **d** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | **i** |  |  | **E** | **i** |  | **i** | **e** |  | **i** | **i** |  |
| **15** | **System and Application Security** | | **m** |  |  |  |  |  |  |  |  | **d** |  | **d** |  | **D** |  | **d** |
|  |  |  | **E** |  | **E** |  | **E** | **i** | **e** | **i** | **e** | **I** | **E** | **i** | **e** |

***State Government Information Security Competency & Functional Framework Matrix - January 2010 V.1.0***