**Data and Service Sovereignty Requirements**

**1. Data Location**

* Service metadata for a specific business entity should where possible, be stored, processed, and replicated within the jurisdiction of their home Peppol Authority, or the same geographical region. This ensures compliance with national, and/or regional privacy and data residency laws and regulations.
* Businesses shall be able to specify their preferred data storage location during registration.

**2. Data Access Controls**

* Access to data shall be restricted based on a "need-to-know" principle.
* Businesses should have granular control over who can access any information about them that is stored within their designated SML. This may involve functionalities for:
  + Defining user roles with specific access permissions (e.g., view-only, edit)
  + Implementing time-bound access controls

**3. Data Transfer and Processing**

* Any transfer or processing of stored information outside the designated jurisdiction or region is permitted subject to adherence to strict data security protocols. This may involve:
  + Encryption of data in transit and at rest
  + Utilizing secure data transfer mechanisms
  + Obtaining explicit consent from businesses before transferring data outside their designated region

**4. Data Residency Reporting**

* The SML shall provide reports or dashboards for businesses to verify the location of any information about them (if any) that is being stored.
* Businesses should be able to track any instances where their data is accessed or transferred outside their designated region.

**5. Legal Compliance**

* The SML must comply with all applicable data privacy regulations in the jurisdiction in which the business entity operates, and the geographical region where information is stored and processed. As a minimum, this may involve adherence to:
  + General Data Protection Regulation (GDPR) in the European Union
  + Similar data protection laws in other regions

**6. Audit Logging**

* The SML must maintain comprehensive audit logs that track all access, transfer, and processing activities related to any stored information.
* Audit logs should be readily available for compliance purposes and potential investigations to authorised parties only.

**7. Data Deletion**

* Businesses shall have the right to request the deletion of their stored information from the SML upon transfer or termination of Peppol.
* The SML shall implement a clear data deletion policy outlining the process and timelines for deleting data upon request.