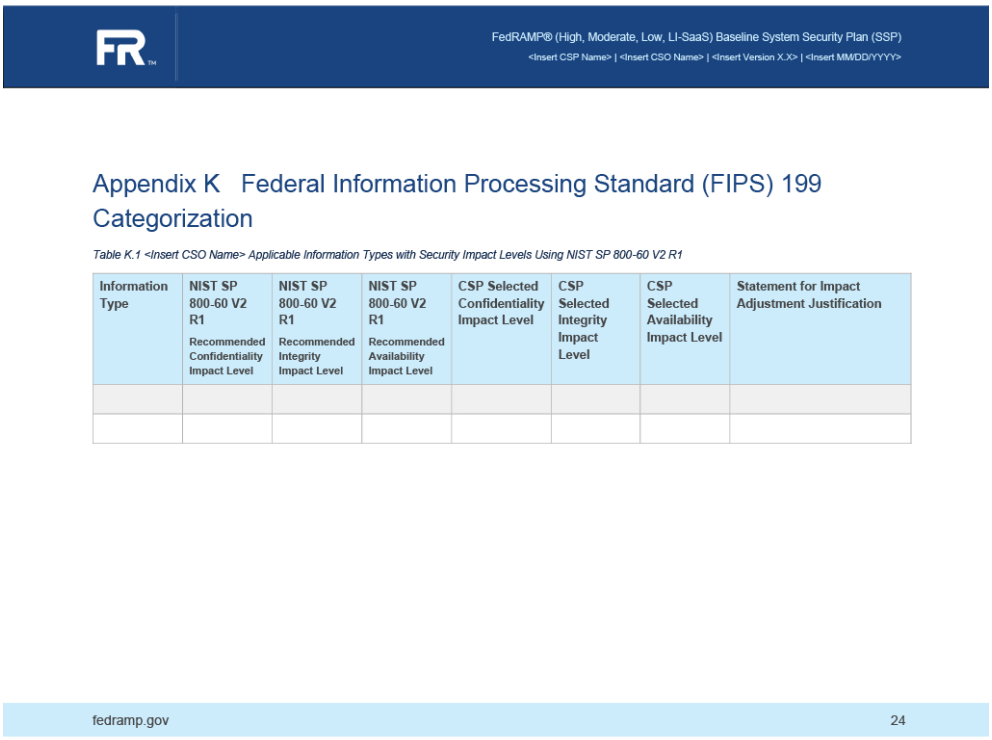
Appendix K: FIPS-199 Worksheet

The system's overall FIPS-199 impact level is determined primarily by the sensitivity of the information it processes.



The overall FIPS-199 impact level is represented under `system-characteristics`:

- `security-sensitivity-level`
  - The value must be one of `fips-199-low`, `fips-199-moderate` or `fips-199-high`

The FIPS-199 Categorization worksheet is an inventory of information types in the system, based on NIST SP 800-60 Volume 2.

- Create one entry under `information-types` for each information type.
- For each information type:
  - Assign a `uuid`
  - Assign the NIST SP 800-63 information type name to the `title`
  - `description` is a required OSCAL field that is not acknowledged by FedRAMP. Consider offering context or citing 800-60.
  - The `categorizations` array should have one entry that includes:
    - `system` set to "http://doi.org/10.6028/NIST.SP.800-60v2r1"
    - the `information-type-ids` arraqy should have one entry
      - Use the NIST SP 800-60 invormation type ID
      - Exactly match the case as it appears in 800-60. (e.g., `C.2.3.1` or `D.15.5`)

- The `confidentiality-impact` must have:
  - a `base` field with the value defined in 800-60.
  - a `selected` field with the value selected by the CSP.
  - If the value in `selected` does not match the value in `base`, use `adjustment-justification` to capture the "Statement for Impact Adjustment Justification"
  - `base` and `selected` values must be one of `fips-199-low`, `fips-199-moderate` or `fips-199-high`
- `integrity-impact and ` availability-impact `are treated the same as` confidentiality-impact` above.

Other information types or categorizations may be present if the SSP also represents compliance with other frameworks; however, the US Government must operate under NIST RMF and will only recognize the NIST SP 800-60 types.

OSCAL Representation

```
system-security-plan:
  system-characteristics:

    security-sensitivity-level: fips-199-high

    system-information:
      information-types:
        - uuid: 11111111-2222-4000-8000-006000000001
          title: Information Type Name
          description: A description of the information.
          categorizations:
          - system: http://doi.org/10.6028/NIST.SP.800-60v2r1
            information-type-ids:
            - C.2.4.1
          confidentiality-impact:
            base: fips-199-moderate
            selected: fips-199-moderate
            adjustment-justification: Required if the base and selected values do not
              match.
          integrity-impact:
            base: fips-199-moderate
            selected: fips-199-low
            adjustment-justification: Required if the base and selected values do not
              match.
          availability-impact:
            base: fips-199-moderate
```

```
selected: fips-199-moderate
adjustment-justification: Required if the base and selected values do not
  match.
```

OSCAL Allowed Values

Reqired value for `system`:

- `http://doi.org/10.6028/NIST.SP.800-60v2r1`

Valid values for `security-sensitivity-level`, `base` and `selected` fields:

- `fips-199-low`
- `fips-199-moderate`
- `fips-199-high`

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