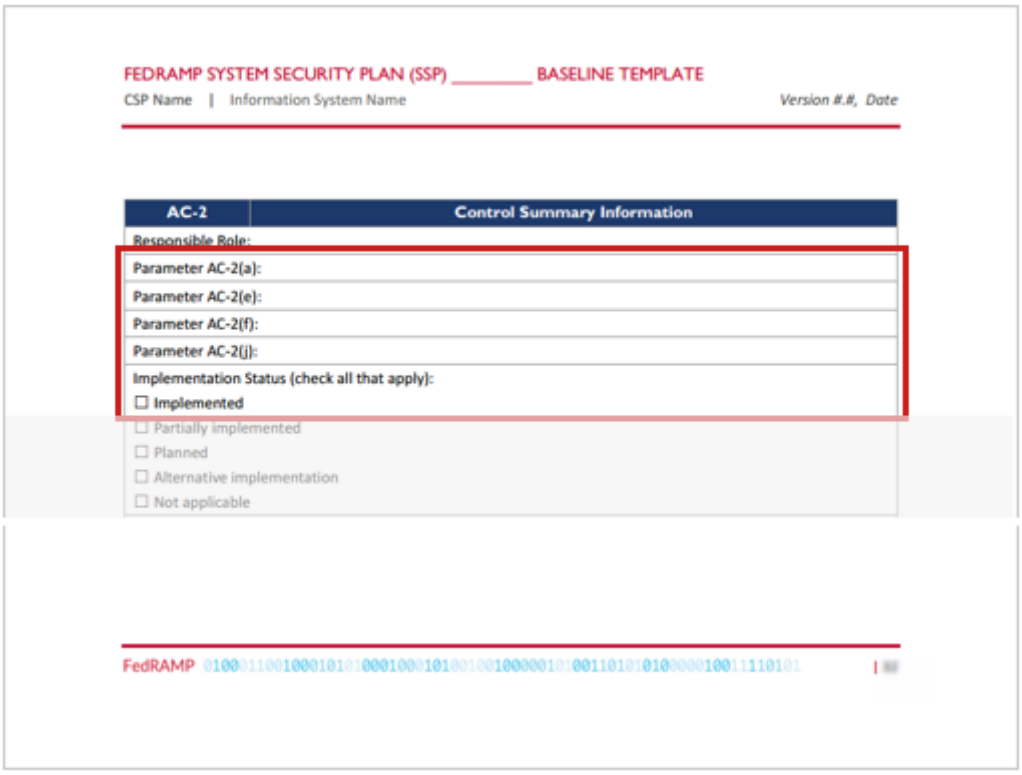
Parameter Assignments



Representation

If a FedRAMP control has one or more parameters, add a `set-parameters` array Within an `implemented-requirements` entry. There must be one `set-parameters` entry for each parameter in the control as follows:

- a `param-id` set to the parameter value from the OSCAL-based FedRAMP baselines
- a `values` array with:
  - one string entry per response
  - If the response is list, such as a list of user types to receive a procedure, add one entry per list item.

> Only set parameters at the `implemented-requirements` level. While OSCAL also supports the ability to set parameters within `by-components` entries, this does not align with FedRAMP's handling of parameters and should not be used.

```
system-security-plan:
  control-implementation:
    implemented-requirements:
```

```
- uuid: 11111111-2222-4000-8000-012000010000
  control-id: ac-1
  set-parameters:

  - param-id: ac-01_odp.01
    values:
    - all managers, administrators and users of the system

  - param-id: ac-01_odp.02
    values:
    - all managers and administrators of the system

  - param-id: ac-01_odp.03
    values:
    - System-level

  - param-id: ac-01_odp.04
    values:
    - System Architect

  - param-id: ac-01_odp.05
    values:
    - at least every 3 years

  - param-id: ac-01_odp.06
    values:
    - change in organizational legal status or ownership

  - param-id: ac-01_odp.07
    values:
    - at least annually

  - param-id: ac-01_odp.08
    values:
    - change in policy or a security incident involving a failure of access control
      mechanisms
```

Selection Parameters and Nested Parameters

Some *select* parameters contain one or more *assignment* parameters. In this instance, simply provide the final selection value within the `set-parameters` entry for the *select* and omit any `set-parameters` entries related to the *assignment*.

Example

AC-7_ part *(b)* has three *assignment* parameters nested within a single *selection* parameter. Line breaks and bullets have been added below to better illustrate the nesting.

> *Automatically*
>
> - *[**Selection** (one or more):*
>   - *lock the account or node for an [**Assignment**: organization-defined time period];*
>   - *lock the account or node until released by an administrator;*
>   - *delay next logon prompt per [**Assignment**: organization-defined delay algorithm];*
>   - *notify system administrator;*
>   - *take other [**Assignment**: organization-defined action]]*
>
> *when the maximum number of unsuccessful attempts is exceeded.*

Although the OSCAL controls will have four parameters, only the final value for the *selection* parameter is assigned in the SSP. The other parameters are ignored.

If more than one choice is is applicable, add each as a separate entry in the `values` array. For example if the final choices are:

- lock the account or node for an [**Assignment**: 30 minutes];
- lock the account or node until released by an administrator;

The `set-parameters` array would be:

```
system-security-plan:
  control-implementation:
```

```
implemented-requirements:
- uuid: 11111111-2222-4000-8000-012000010000
  control-id: ac-7
  set-parameters:

  - param-id: ac-07_odp.03
    values:
    - lock the account or node for 30 minutes;
    - lock the account or node until released by an administrator;
```

Parameters `ac-07_odp.01` and `ac-07_odp.02` belong to part (a). They would normally be included and are only omitted for the example.

Parameters `ac-07_odp.04`, `ac-07_odp.05` and `ac-07_odp.06` are part of `ac-07_odp.03` and are omitted.

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