

SIZING

UP

THE

STANDARD

Seth Anderson | AVPreserve

Digital Preservation 2014 | Washington, DC

ISO

I LOVE YOU...

16363

ISO

BUT YOU'RE BREAKING MY HEART

16363

ISSUE #1



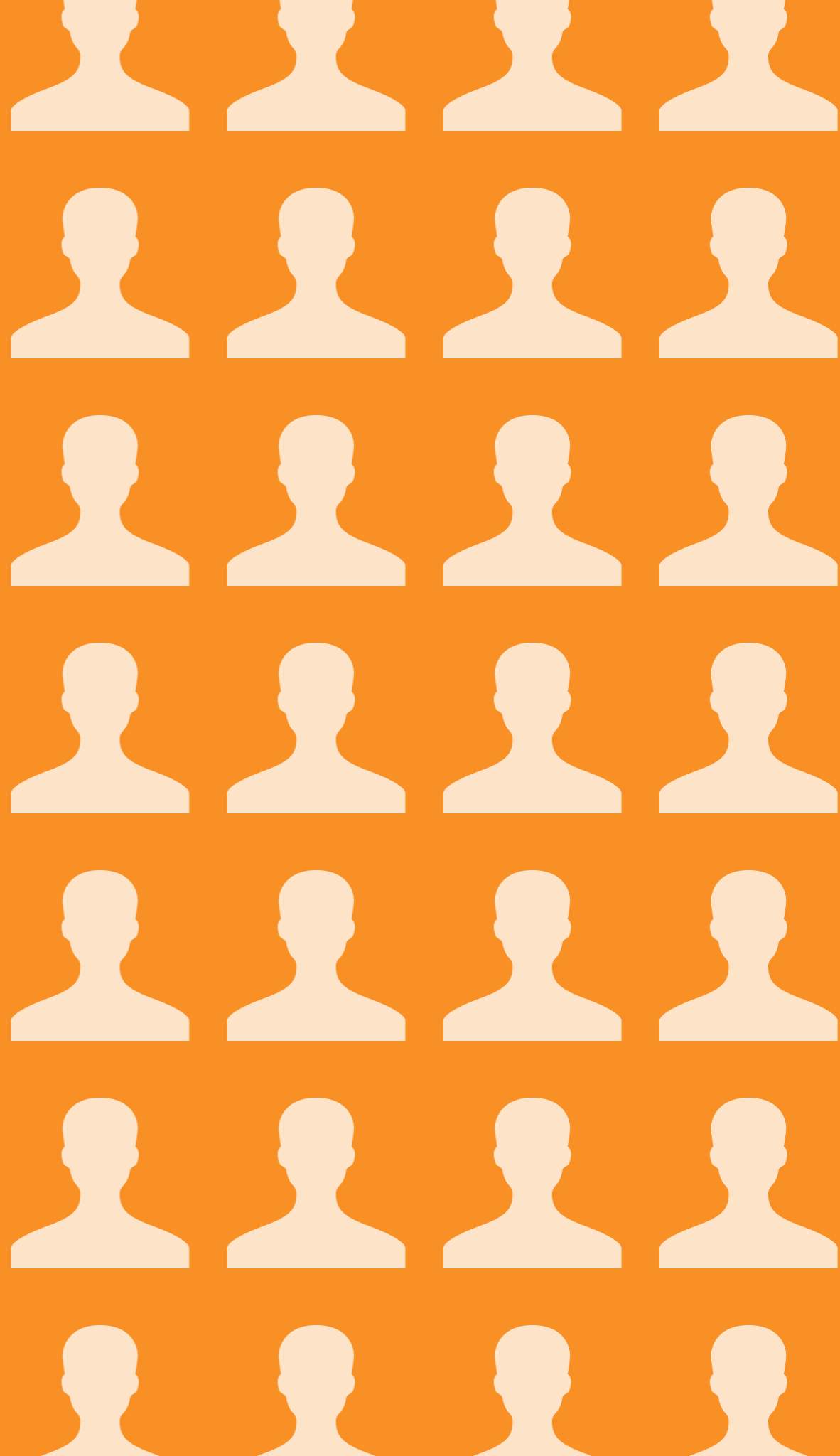
TOO MUCH DATA



Review collection policy. Define scope of collection for the repository as it relates to your mission and designated community. | Document points of fixity checking throughout ingest workflow and define policies for ongoing fixity monitoring. | Generate formal agreements between repository and depositors specifying requirements for delivery and handoff, as well as repositories responsibilities to depositors. | Establish mechanism for tracking and responding to obsolescence risks to storage infrastructure. | Continue to record decision making processes for changes to preservation plan | Work with



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APPLY

ORDER

APPLY

POLICY

ORDER

APPLY

DOCUMENTATION

ORDER

APPLY

OPERATIONS

ORDER

APPLY

PROCEDURE

ORDER

APPLY

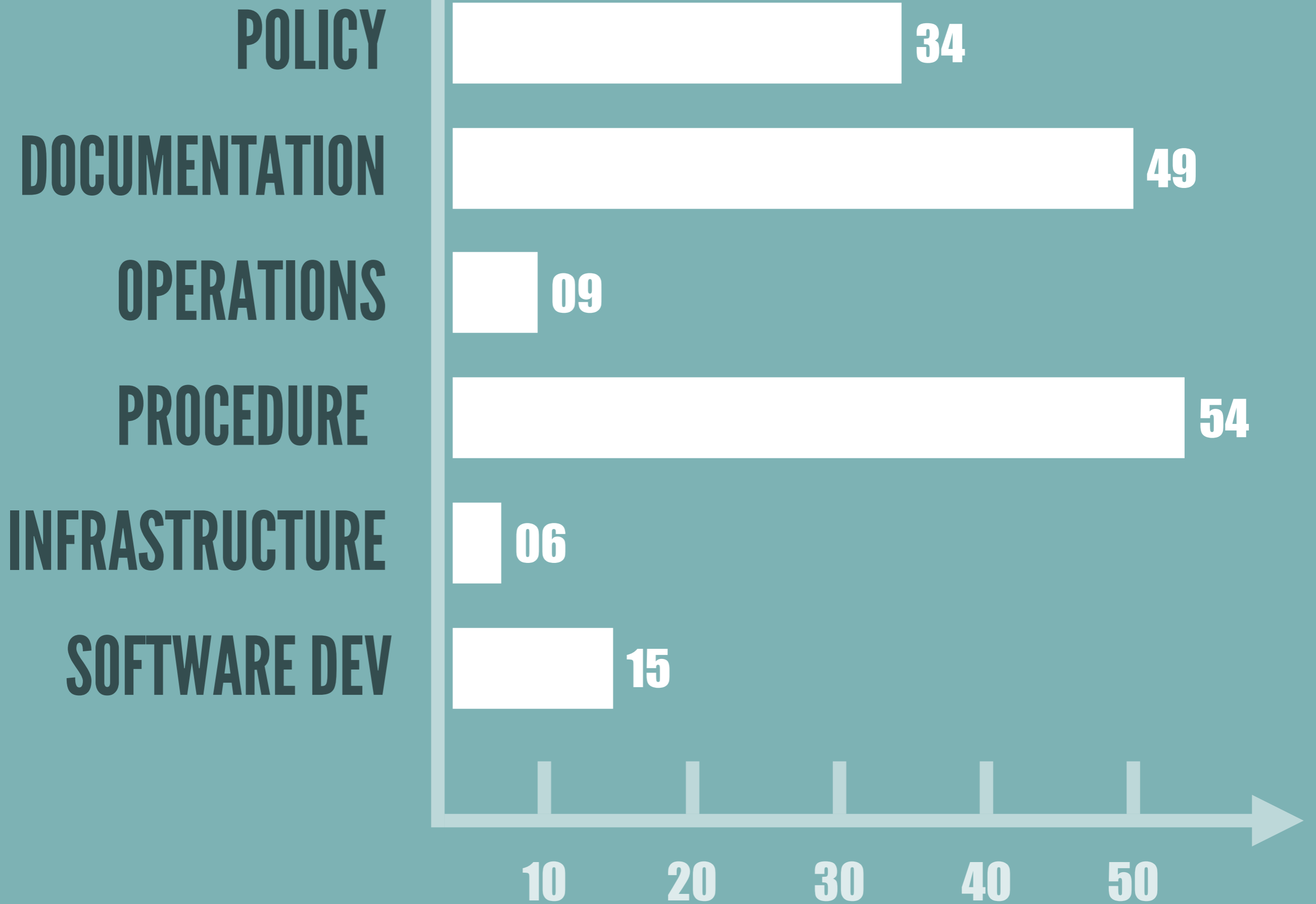
INFRASTRUCTURE

ORDER

APPLY

SOFTWARE DEVELOPMENT

ORDER



APPLY

0 → 4

VALUE

**Non-compliant or not started:
The repository has not yet
addressed the requirement
or has not started the review
of the requirement.**



Slightly compliant:

The repository has something in place, but has a lot of work to do in addressing the requirement.



Half compliant:

The repository has partially addressed the requirement and has significant work remaining to fully address the requirement.



Mostly compliant:
The repository can demonstrate that it has mostly addressed the requirement and is working on full compliance.



Fully compliant:

The repository can demonstrate that it has comprehensively addressed the requirement.



APPLY

SHORT | MEDIUM | SUSTAIN

TIME

SHORT | MEDIUM | SUSTAIN

**ADDRESS WITHIN
1 YEAR**

SHORT | **MEDIUM** | SUSTAIN

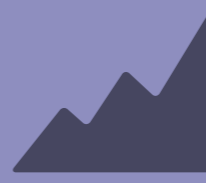
ADDRESS WITHIN

2-3 YEARS

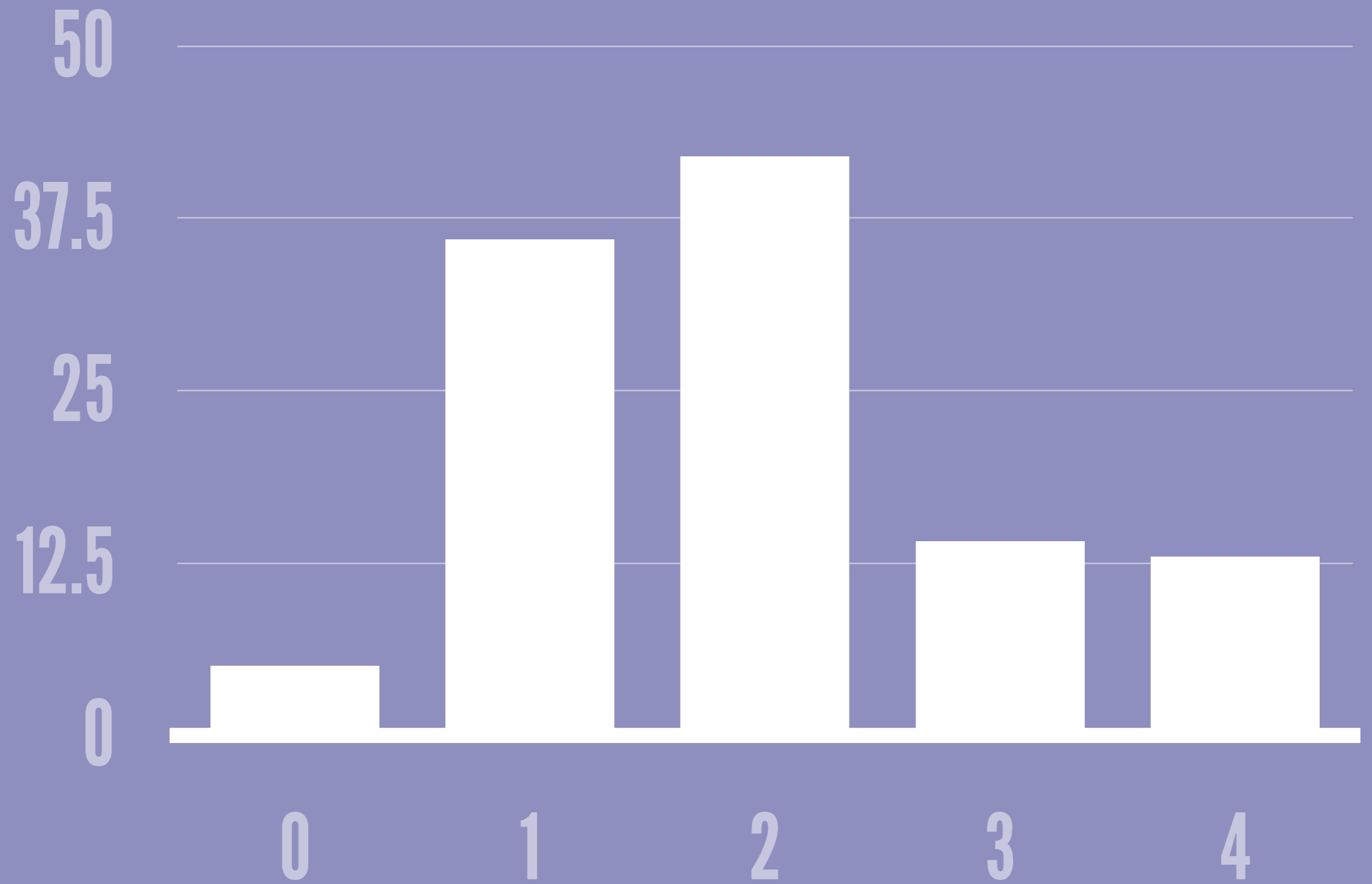
SHORT | MEDIUM | SUSTAIN

**MONITOR UNTIL
NEXT ASSESSMENT**

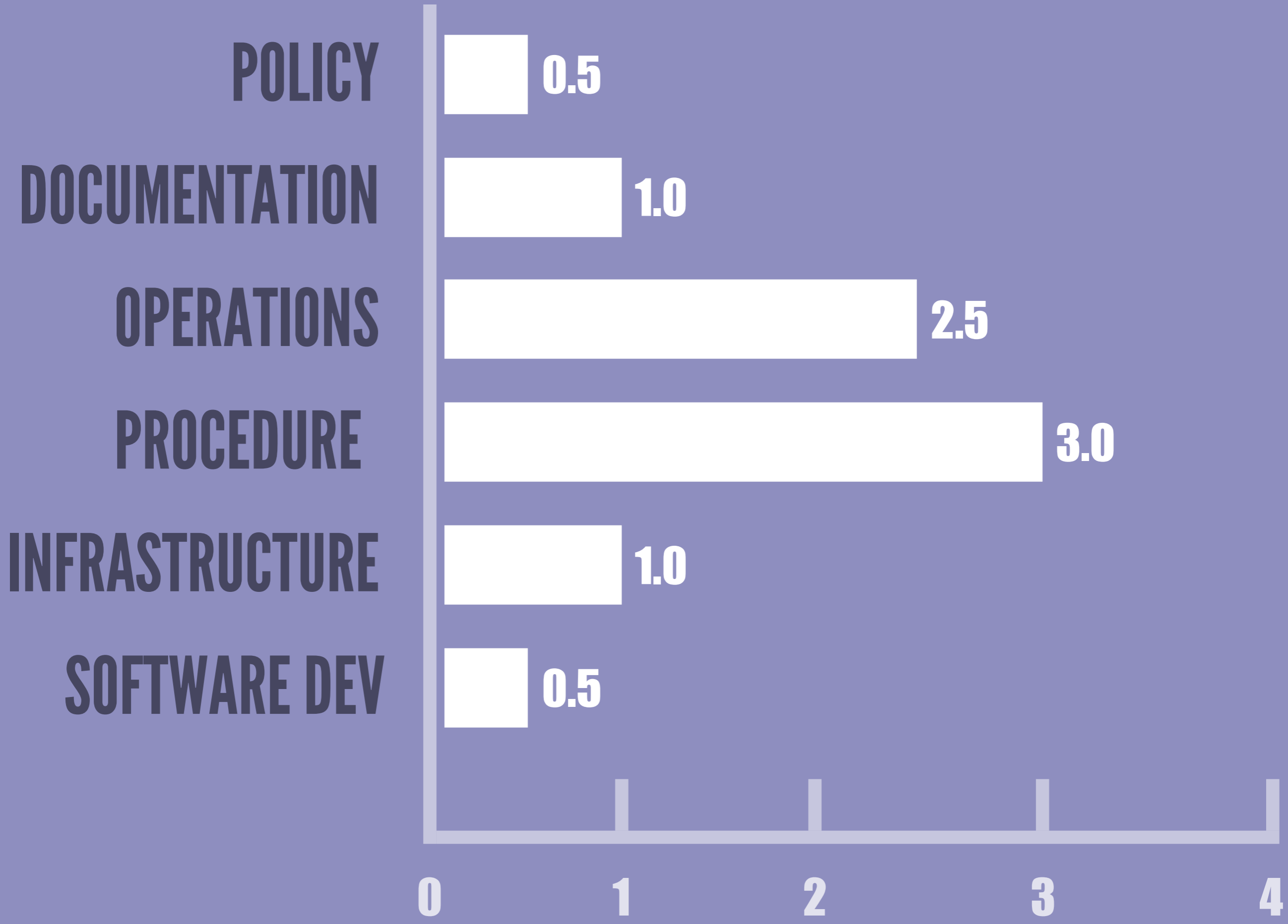
APPLY



FORM



SCORE DISTRIBUTION



SOFTWARE DEVELOPMENT

16%

POLICY

32%

INFRASTRUCTURE

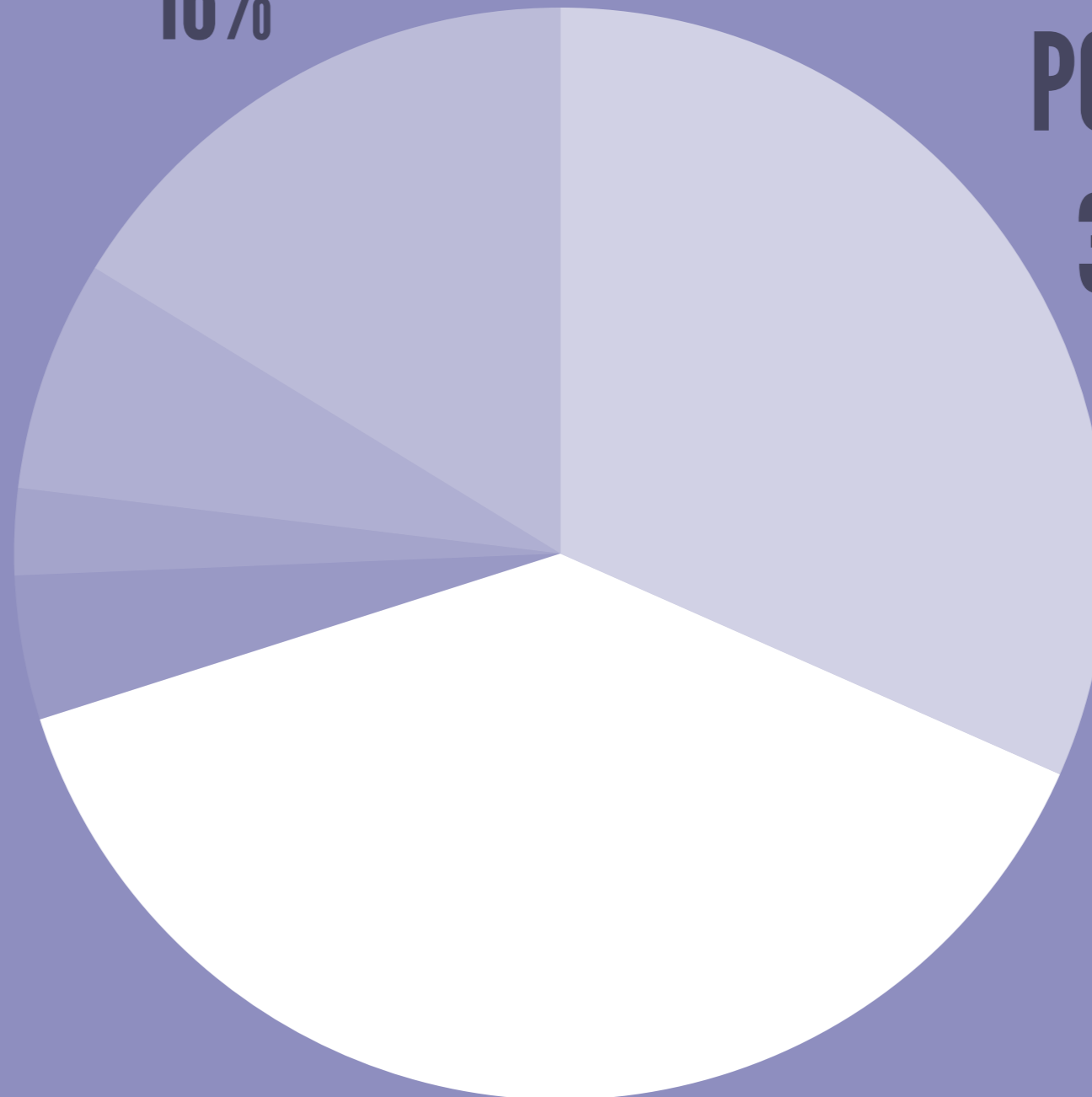
7%

PROCEDURE

3%

OPERATIONS

4%



DOCUMENTATION

38%

ISSUE #2



INCONSISTENCY



“Sub-metrics for any section are intended to help clarify and elucidate their superior item.

Satisfaction of the sub-metrics provides evidence supporting a claim of compliance with the hierarchically superior items.”

FOR EXAMPLE

4.2.4 – Have a convention to generate persistent, unique identifiers for ALPs

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4.2.4 – Have a convention to generate persistent, unique identifiers for AIPs



4.2.4.1 – The repository shall uniquely identify each AIP within the repository.

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4.2.4.1.1 – The repository shall have unique identifiers.

4.2.4 – Have a convention to generate persistent, unique identifiers for AIPs



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4.2.4.1.1 – The repository shall have unique identifiers.



ANOTHER EXAMPLE

3.1.2 – The repository shall have a Preservation Strategic Plan that defines the approach the repository will take in the long-term support of its mission.

3.1.2.1 – The repository shall have an appropriate succession plan, contingency plans, and/or escrow arrangements in place...

3.1.2.2 – The repository shall monitor its organizational environment to determine when to execute its succession plan, contingency plans, and/or escrow arrangements.

3.1.2.1 – Succession Plan / Escrow

**+ 3.1.2.2 – Monitoring for Succession/
Contingency**

3.1.2 Preservation Strategic Plan

3.1.2.1 – Succession Plan / Escrow

**+ 3.1.2.2 – Monitoring for Succession/
Contingency**

~~3.1.2 Preservation Strategic Plan~~

3.1.2 – Supporting Text

This is necessary in order to help the repository make administrative decisions, shape policies, and allocate resources in order to successfully preserve its holdings.

3.1.2 – Discussion

The strategic plan should be based on the organization's established mission, and on its defined values, vision and goals. Strategic plans typically cover a particular finite time period, normally in the 3-5 year range.

ugh.

A NEW HIERARCHY

“Sub-metrics for any section are intended to help clarify and elucidate their superior item.

Satisfaction of the sub-metrics provides evidence supporting a claim of compliance with the hierarchically superior items...

...SOMETIMES.”

- 4.2.4.1 – Uniquely identify each AIP in repository
- + 4.2.4.1.1 – Repository shall have unique identifiers
- + 4.2.4.1.2 – Assign and maintain persistent identifiers of the AIP and components
- + 4.2.4.1.3 – Documentation for any processes used for changes to identifiers
- + 4.2.4.1.4 – Provide complete list of all such identifiers and check for duplication
- + 4.2.4.1.5 – System of identifiers is adequate to meet current and future requirements
- + 4.2.4.2 – System of linking/resolution services in order to find uniquely identified objects

4.2.4 – Generate persistent and unique identifiers

TYPE #1 – BEFORE
“cumulative”

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TYPE #1 – AFTER
“cumulative”

**5.1.1.3.1 – Record and report all incidents of data corruption/loss and
respond/repair**

IS REQUIRED FOR

5.1.1.3 – Mechanisms to detect bit corruption or loss

TYPE #2 – BEFORE
“dependency”

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respond/repair**

~~IS REQUIRED FOR~~

5.1.1.3 – Mechanisms to detect bit corruption or loss

TYPE #2 – BEFORE
“dependency”

5.1.1.3 – Mechanisms to detect bit corruption or loss

COMES BEFORE THE ABILITY TO

5.1.1.4 – Record and report all incidents of data corruption/loss and
respond/repair

TYPE #2 – AFTER
“dependency”

3.1.2.1 – Succession Plan / Escrow

**+ 3.1.2.2 – Monitoring for Succession/
Contingency**

3.1.2 Preservation Strategic Plan

TYPE #3 – BEFORE

“other”

~~3.1.2.1 – Succession Plan / Escrow~~

~~+ 3.1.2.2 – Monitoring for Succession/
Contingency~~

~~3.1.2.3 – Preservation Strategic Plan~~

TYPE #3 – BEFORE

“other”

3.1.2 Preservation Strategic Plan

IS OF EQUAL IMPORTANCE

3.1.3 – Succession Plan / Escrow

IS OF EQUAL IMPORTANCE

3.1.4 – Monitoring for Succession/ Contingency

TYPE #3 – AFTER

“other”

THIS IS A WORK IN PROGRESS

SUGGESTIONS? QUESTIONS?

PLEASE GET IN TOUCH

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