This is in response to [this topic](#)

How does MakerDAO move forward to review technical solution options and approaches to implementation or trials?

Preamble

To ensure Maker DAO makes informed/ objective decisionson new technical solutions, we recommend adopting a structured and standardized approach.

This includes:

1. Defining and qualifying the problem or opportunity

2. Identifying potential solutions

3. Evaluating potential solutions

4. Choosing a solution

5. Implementing and monitoring the solution

By following this approach, we can ensure that we are considering all relevant factors and selecting the solution that best meets our needs and objectives. Importantly, we also leave a documentation trail that can be audited (if necessary) for impartiality.

Details

The steps are as follows:

1. Defining and qualifying the problem or opportunity

Before considering any new technical solutions, MakerDAO should define the problem or opportunity that they are trying to address. This ensures there is either:

- A clear problem that needs to be addressed

- An opportunity that a new technology offers

This qualifies as a polling phase

on a Go/ No Go for subsequent steps. The polling decides whether the problem or opportunity identified is clear enough and big enough to warrant exploration.

2. Identifying potential solutions

Once the problem or opportunity has been defined, MakerDAO can begin researching potential technical solutions. (There may be one or several, and documented clarity is necessary here)

3. Evaluating potential solutions

Once a list of potential solutions has been identified, MakerDAO can begin evaluating each option on a scoring criteria as follows - each factor scoring 1-10, with 10 being the best.

1. Technical Feasibility

2. Cost

3. Scalability

4. Security

5. Ease of implementation

Scores for each aspect can be averaged if several committee members are particpating in the scoring

4. Choosing a solution

The scoring should act as a guide

(not final word), so that the committee can then poll to agree

on the solution they think best fits the problem or opportunity

5. Implementing and monitoring the solution

Once the technical solution has been selected, MakerDAO can begin the implementation process, which may involve:

1. Partial (or test) implementation
2. Evaluation/ Monitoring
3. Feedback collection
4. Final approval - another polling

phase

Summary

We propose a standardized system to evaluate technical solutions that has the following advantages:

- Provides a repetatable process for evaluating and selecting new technical solutions
- Ensures all factors are considered in the decision-making process
- Facilitates objective decision-making by using a scoring system to compare potential solutions against specific criteria
- Ensures evidence-based decisions about new technical solutions
- Ascertains we select the solution that best meets our needs and objectives, rather than simply choosing the most popular or well-known option

A simple form on notion/ discourse/ word outlining each phase can be created and filled in for any problem or opportunity identified, requiring a technical solution.