





Here is a documentation to fully understand that IDEF0 model. Here is shown a model about making a petition for something, and show it to policymakers. This system takes writing material, such as pictures, videos, and the concept behind the petition, and uses volunteers, a petition hosting service, writing softwares and media (mechanisms which will be detailed in subfunctions), with the help of documentation and contacts of interested people, to collect signatures and have a press coverage of our actions up to the results of the meeting with policymakers.

We can decompose that system into four major functions: from the creation of the petition on a hosting service, using our inputs, to its share, the gathering of the collected signatures, and finally the meeting with policymakers to show them the results of the petition. These steps always need volunteers, and some services or softwares to help their progress. To control these, we often use their documentations. Nonetheless we also need contacts of interested people, such as their mail address, or the phone number of journalists to cover our actions. Moreover, as humans are volunteer, we often have to set up guidelines to help the collection and the diffusion of the data, especially with policymakers. For instance, to show them the petition, we need to express it in a formal way, using formatting softwares to write press releases and reports—but volunteers have to follow rules to write them.

Then, we decompose the function **Share the petition to interested people**. It is notable to remark that the empty petition link, output of the previous function, is used here as a control for almost every subfunction here. Indeed, a petition link is not changed with these subfunctions, but is used as a way to redirect people to the petition service, thus as a control ("How?") more than as an input. It is also to notice that these subfunctions give signatures as an output, that will then be gathered in the function A3.

First, we send an email, given the petition link provided by the hosting service. To do so, we use several mailing lists of interested people (volunteers, adherents, ...) and the documentation of the newsletter service we use as a mechanism. We also share the petition link on social media, via a community manager, given some followers and community guidelines. These two functions will create signatures, but are not linked together.

Then, we contact common media and journalists, via their phone numbers or email address, using writers and mailing service to share them a press release that would have been created inside this function. Using the press coverage which would be produced by them, we can then collect more signatures in the streets or cities, always with volunteers and writing material, and supervised with volunteer guidelines to help them in this task. The whole process gives signatures (press coverage is only used to collect more signatures), which will then be treated in the next parent function.

Documentation