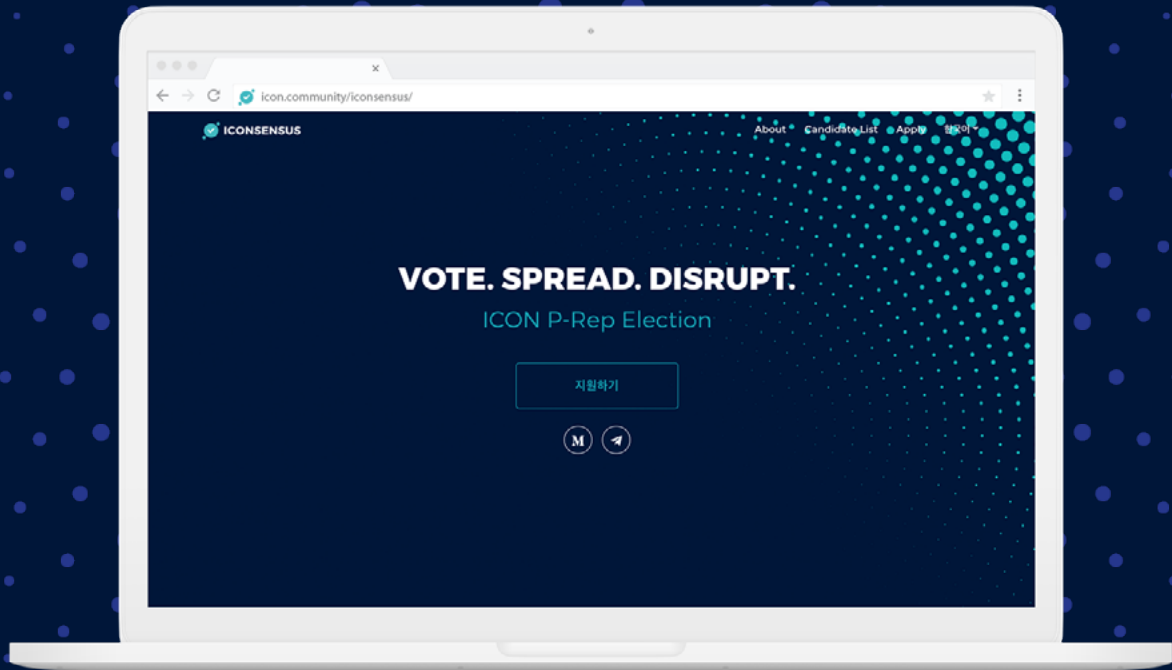


ICON

P-Rep Pre-registration Guide ^{EN}



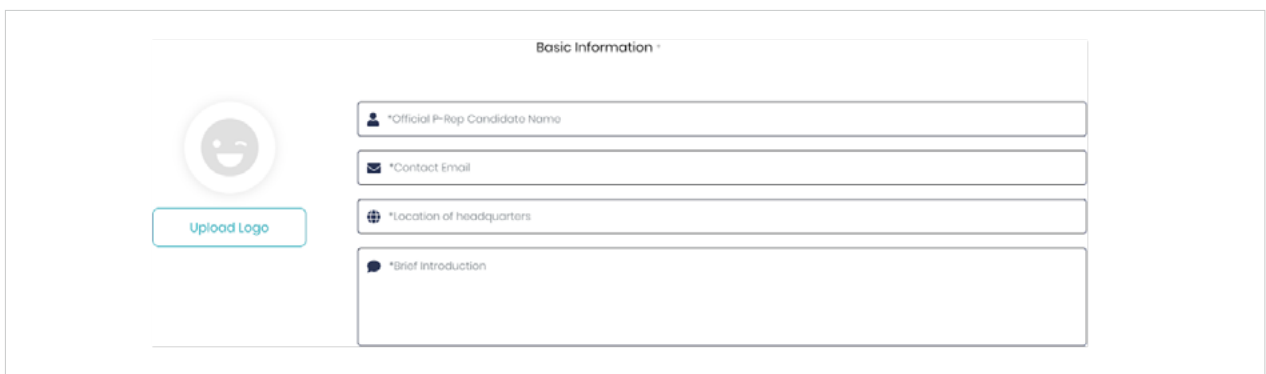
P-Rep Pre-registration Guide

As a representatives of ICONists, a P-Rep plays key roles such as block creation and verification, decision-making on the network policy, and expansion of the ICON ecosystem. Given that the P-Reps are elected by delegation of stake by ICONists, it is important that they represent the interest of all ICONists and at the same time, present vision and efforts to grow the ICON Network.

The all-in-one portal, icon.community, is where you can register as a P-Rep candidate during the Pre-Registration period. In the Delegate Proposal page, you need to submit information about your team, team members, server, and most importantly, you Delegate Proposal. Please be mindful that all information will be disclosed to the ICONists.

1. Team Information

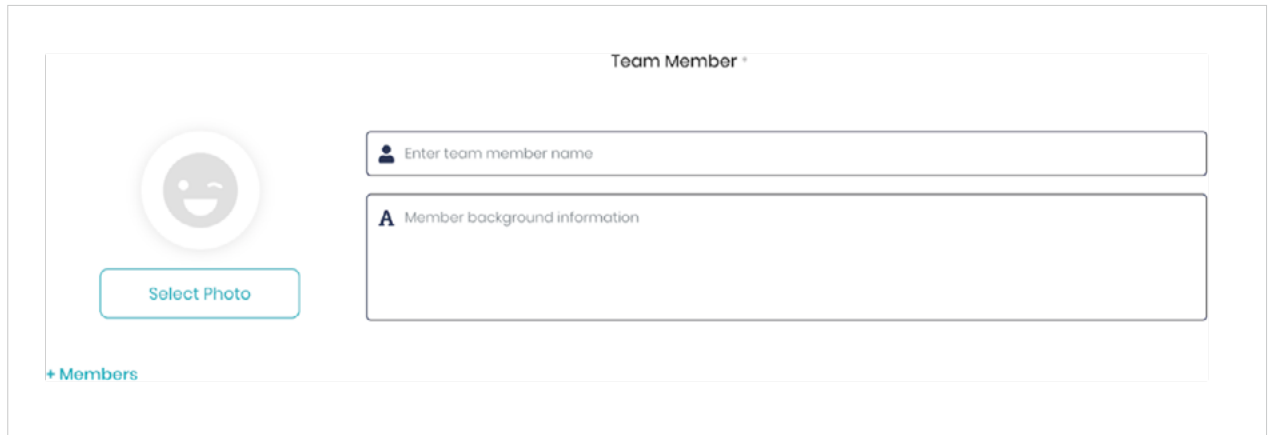
1) Team Introduction



The screenshot shows a web form titled "Basic Information". On the left, there is a circular placeholder for a profile picture with a smiley face icon and a button labeled "Upload Logo". To the right of the logo area are four input fields, each with a small icon and a label: a person icon for "*Official P-Rep Candidate Name", an envelope icon for "*Contact Email", a globe icon for "*Location of headquarters", and a speech bubble icon for "*Brief Introduction".

In this section, please provide basic introduction about your team. Basic information such as 'Official P-Rep Candidate Name', 'Official Logo', 'Email', 'HQ Location' are the required fields. In the 'Brief Introduction' is where you can pitch to the ICONists by illustrating background of your team, what you are trying to do, the reason you are registering as a P-Rep candidate, and what you can contribute to the ICON Network.

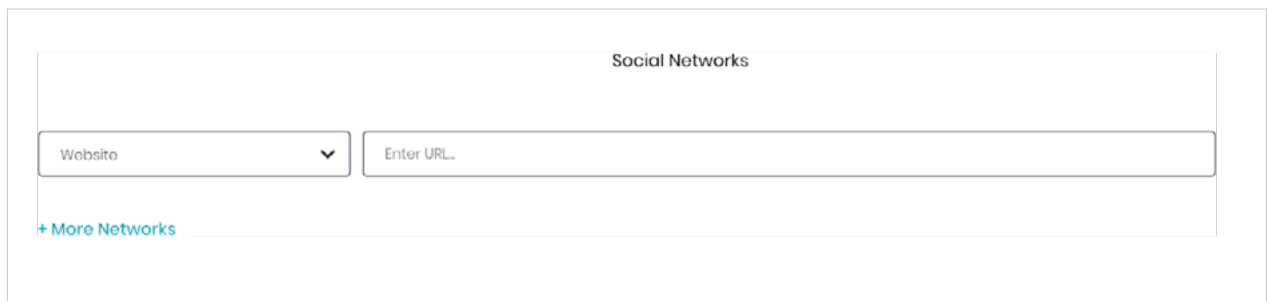
2) Team members



The screenshot shows a form titled "Team Member" with a plus sign. On the left, there is a circular placeholder for a profile picture with a smiley face icon and a "Select Photo" button below it. To the right, there is a text input field with a person icon and the placeholder text "Enter team member name". Below that is a larger text area with a blue "A" icon and the placeholder text "Member background information". At the bottom left of the form, there is a blue link that says "+ Members".

In this section, please introduce each of your team member in detail. Such information can be their names, photos, past experiences and skills, their position within the team, and how they can benefit your team to be elected as a P-Rep. In case there are more than 1 member, please click the '+Members' button.

3) Social Networks

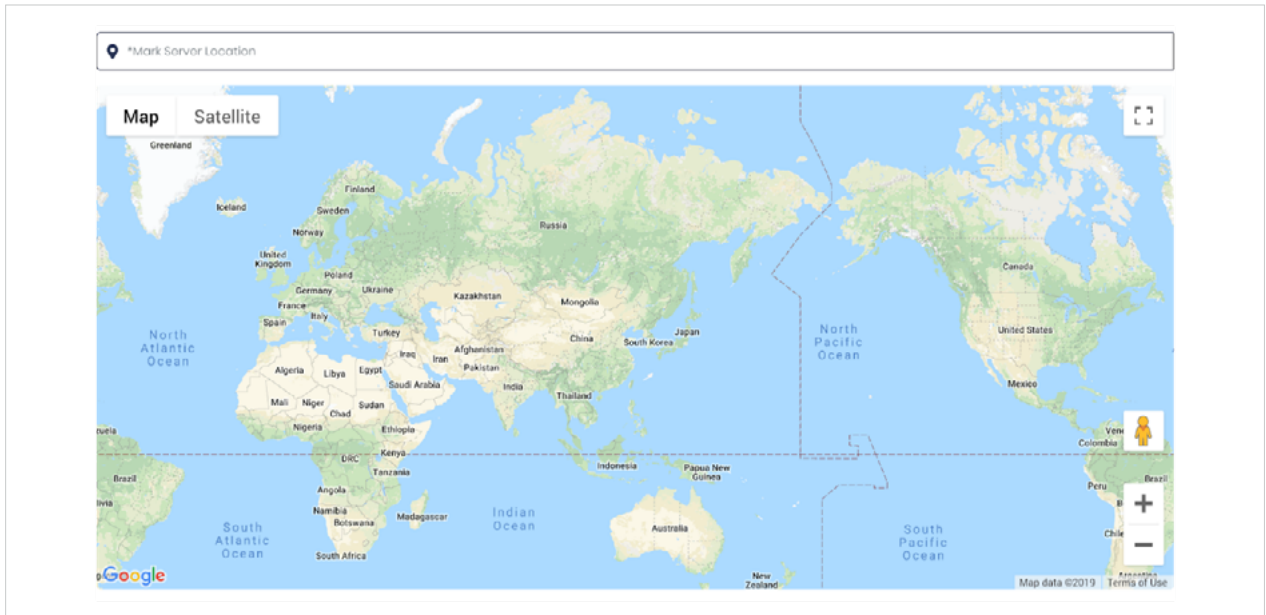


The screenshot shows a form titled "Social Networks" with a plus sign. It features a dropdown menu on the left with "Website" selected and a downward arrow. To the right of the dropdown is a text input field with the placeholder text "Enter URL...". At the bottom left of the form, there is a blue link that says "+ More Networks".

Enter the media channels run by your team where ICONists can learn more about your proposal and activities. Select the corresponding channel (e.g. YouTube, Medium, Telegram, Website) and enter the URL. You can register multiple channels by pressing the '+ More Networks' button.

2. Server Information

1) Mark Server Location



Enter the media channels run by your team where ICONists can learn more about your proposal and activities. Select the corresponding channel (e.g. YouTube, Medium, Telegram, Website) and enter the URL. You can register multiple channels by pressing the '+ More Networks' button.

2) Server Details

<input type="text" value="*Type of Servers(eg. cloud, bare metal, etc)"/>
<input type="text" value="*Server Specs"/>

Provide the type and specification information of the server to be built. Please refer to the table below for the specifications guideline. To manage and operate the network stable, it is crucial to secure sufficient operational resources that can handle significant amount of traffic.

Recommended Amazon Web Service(AWS) Specifications

Description	Minimum Specifications	Recommended Specifications
Instance Type	C5.4xlarge	C5.9xlarge
CPI Model	Intel(R) Xeon(R) Platinum 8124M CPU @ 3.00GHz	Intel(R) Xeon(R) Platinum 8124M CPU @ 3.00GHz
vCPU (core)	16	36
Ram	32G	72G
Disk	500G NVMe SSD (EBS Bandwidth 4.5 Gbps)	500G NVMe SSD (EBS Bandwidth 4.5 Gbps)
Network	10 Gbps	10 Gbps

Recommended On-Promise Specifications

Description	Minimum Specifications	Recommended Specifications
CPU Model	Intel(R) Xeon 6150 CPU @2.70GHz 18Core * 1CPU	Intel(R) Xeon 6150 CPU @2.70GHz 18Core * 2CPU
Memory	32G	64G
Disk	Usable 1TB 500G SSD x 2 (Raid 1+0)	Usable 1TB 500G SSD x 4 (Raid 1+0)
Network	1Gbps	1Gbps

* Actual server specifications may vary depending on the network environment

3. Delegate Proposal

The Delegate Proposal is a detailed plan for development and expansion of the ICON Network's ecosystem to be proposed by P-Rep candidates. ICONists will evaluate the Delegate Proposal if it will truly contribute to the ICON Network and vote for the candidate they highly value by delegating their stake. Thus, all P-Rep candidates need to clearly describe their goals and specific plans they will carry out to fulfill the objective in the Delegate Proposal.

Below is the scope-of-contribute recommended by icon.community.

1) Infrastructure Construction

A P-Rep has a responsibility to keep the network stable through block creation and verification. To achieve this, a P-Rep needs to secure sufficient server specifications and continue to expand technical infrastructure in line with the growth of the network. It is also required to prepare a security plan against disability of the network or external attacks such as hacking. Thus, it is recommended to present a specific and solid server construction plan.

2) Development

As an open-source network, the features of the ICON Network can be developed by multiple contributors who have sufficient knowledge and abilities. In the same context, a P-Rep can contribute in a variety of ways such as enhancing the ICON Network's performance, governance, and developing the token economy. Developing 3rd party products such as wallets, block navigators, and DApp Browser and thereby making the ICON Network be accessible to more ICONists is also pursuable.

3) Community

After all, a P-Rep is a network participant adored by the rest of the community and by nature, it is essential for them to create an environment where the ICON Network participants can interact with one another and voluntarily contribute to the community. A P-Rep can propose various activities such as offline meetups or online forum which will lead to expansion and activation of the community. In addition, creating contents or analysis reports is another way to contribute to the community. Such report can be about the ICON network and ecosystem or cover specific topics such as how to support, invest, and foster high-quality DApps within the ecosystem.

4) Governance

As a representative of the ICON Network, a P-Rep can suggest various network policies and derive an agreement among network stakeholders based on the authority delegated from the community. In the same context, a P-Rep can propose to conduct researches on the network monetary system and transaction fee policy. Promoting an on-chain or off-chain forum where the foundation, developer groups, and other parties can collaborate to enhance the ICON Network is also a highly recommended proposal.

5) Token economy development

Applying and spreading the token economy to diverse fields will greatly contribute to the growth of ICX value. A P-Rep can propose strategies that can promote ICX to be widely used. The relevant proposals include development and construction of a new token economy structure, establishment of exchanges to secure liquidity, and further connection with the real economy.

6) Education

Discovering developers who are interested in blockchain and educating them about the ICON Network is important for the long-term growth of the network; the more people contribute to the development, the faster the ICON Network will grow. A P-Rep can develop educational contents and incubate professionals who will contribute to the ICON Network. Other indirect supports, including accelerating high-quality DApp projects, holding developer hackathon/ contests are also effective ways to facilitate the development and commercialization of the ICON Network.