BYOC Documentation

BYOC stands for **_Bring Your Own Carrier_** where if you have a SBC/PBX account already then you need to create your PSTN / Termination URI which shall be connected to the Twilio account.

In order to configure BYOC SIP (manually) , the steps are as followed

1. Open the BYOC Trunk URL Link:
   https://console.twilio.com/us1/develop/voice/manage/byoc-trunks?frameUrl=%2Fconsole%2Fvoice%2Fbyoc-trunking%2Ftrunks%3Fx-target-region%3Dus1

   a) If SIP domain is created for the Termination URI just select the friendly name of the SIP domain, otherwise follow Step 2.

   b) Set up the From domain same as the one did setup in step 1.a).

   c) Setup the origination URI with the carrier network SIP IP address or PSTN url.
   Format : sip:{{ip_address}}

   d) Configure the webhook URL which you want to connect to.(For our use case Retell webhook associated with agent)

2. Open the Programmable SIP domain URL Link :
   https://console.twilio.com/us1/develop/voice/manage/sip-domains?frameUrl=/console/voice/sip/endpoints

   a) Set up a friendly name.

   b) Setup the SIP URI. This SIP URI will be the SIP address to which your carrier network will be connected.

   c) Create a new IP ACL (Access Control List) for the particular IP of the carrier Network. This is how we are whitelisting the IP so that it can enter and connect with the Twilio IP for the particular trunk.
   Otherwise, you can set up a range of IPs to give access to the Twilio Platform.

   d) In the configuration below, set up the Trunk as BYOC Trunk and select the BYOC Trunk you have already created.

*** Do not include any credential in the Credential List, if you do ensure that you have shared the credentials with the carrier network. Otherwise, you may get a 403 status code.

For more information please follow the link:
https://www.twilio.com/docs/voice/bring-your-own-carrier-byoc