



PE TM Chain Creation

User Manual
For Enterprises & Telemarketers



Overview

This document outlines the necessary steps required for PE – TM chain creation on DLT for Enterprises, Telemarketers for Aggregation Function (TM-AF) as well as Telemarketers for Delivery Function

The Chain can be initiated on any DLT by an enterprise. The TM's will need to login to the respective DLT Portal to approve or reject the request. The TM's which are not directly mapped to the same DLT as enterprise, will be given option to login to the DLT portal with limited access to access PE – TM Chains.

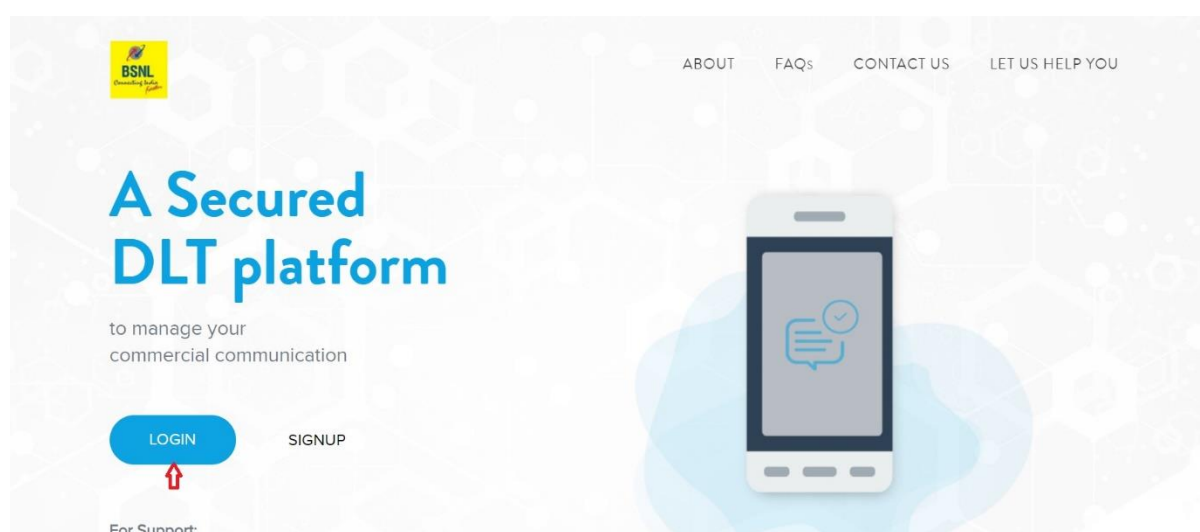
The chain has to be approved at all stages by all respective stakeholders like TM-AF as well as TM-DF. The Selection of TM-DF will mark the end of chain and it will be assumed that traffic will be submitted by TM-DF to the Telco DLT Network. Once the TM-DF is marked in the chain and its accepted by the TM-DF, a final request will go to PE for the approval of end-to-end chain.

PE as well as TM-AF are required to choose only the next hop to whom the traffic is being directly submitted. TM-DF will have no option to choose any next hop.


TM-DF are required to generate hash and submit the same in the TLV parameter, the process for which will be shared separately with all TM-DF.

Enterprise Login

1. To initiate the chain, enterprise needs to login to DLT and initiate a chain on DLT Portal. Go to <https://www.ucc-bsnl.co.in/> and Click on Login



2. Select Login as Enterprise and Click on NEXT



A secured DLT platform to manage your commercial communications

Enterprise
A commercial business (individual or company) dealing with products or services, who would like to communicate with their customers through SMS or voice.

Telemarketer
Telemarketer Aggregator: An individual or a company who collects SMS/voice traffic from enterprises, but **DO NOT** have direct connection with telecom operator.
Telemarketer Delivery: An individual or a company who collects SMS/voice traffic from enterprises, and has **direct connection** with telecom operator.

Select your Area of Operation

to Login

As Enterprise [more info >](#)



As Telemarketer [more info >](#)

As Mobile Subscriber [more info >](#)

CANCEL

NEXT

New User? [Signup Here](#)

3. Enter your Email Address and password



A secured DLT platform to manage your commercial communications

Enterprise
A commercial business (individual or company) dealing with products or services, who would like to communicate with their customers through SMS or voice.

Telemarketer
Telemarketer Aggregator: An individual or a company who collects SMS/voice traffic from enterprises, but **DO NOT** have direct connection with telecom operator.
Telemarketer Delivery: An individual or a company who collects SMS/voice traffic from enterprises, and has **direct connection** with telecom operator.

Enterprise Login

Enter your email address

adbcd@gmail.com

Password

.....

Remember Me

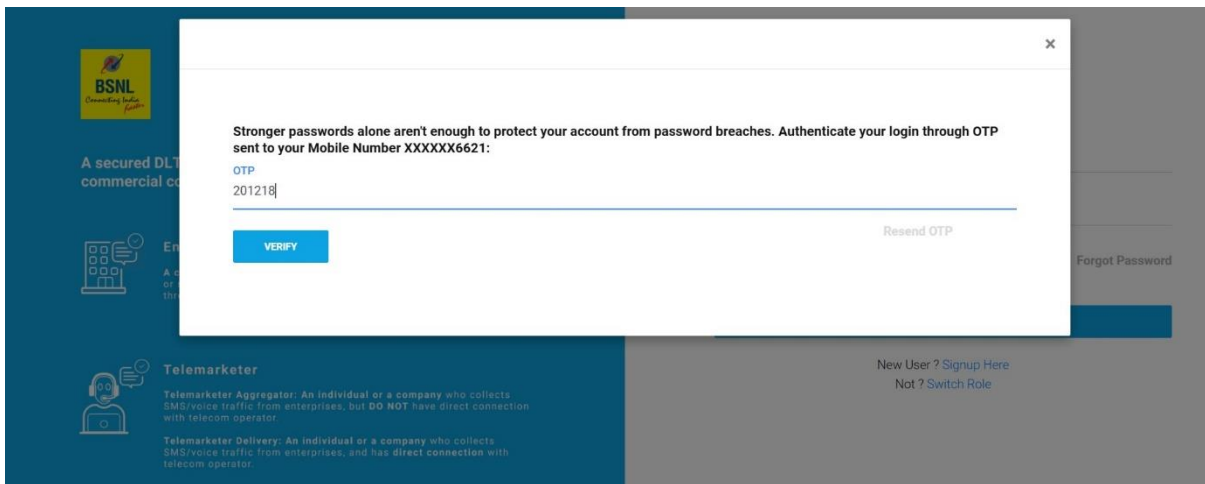
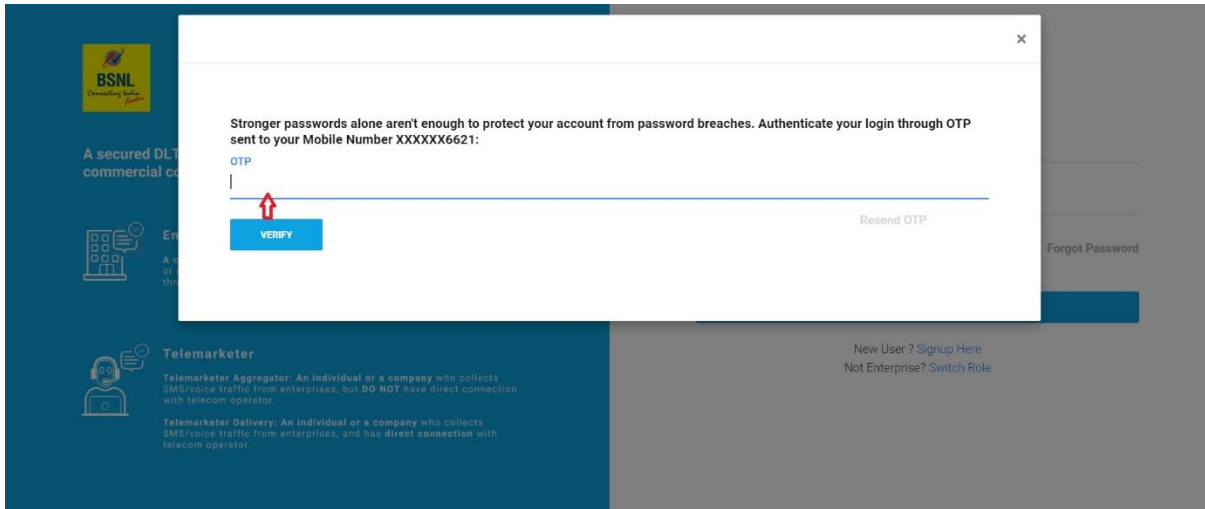
[Forgot Password](#)

LOGIN

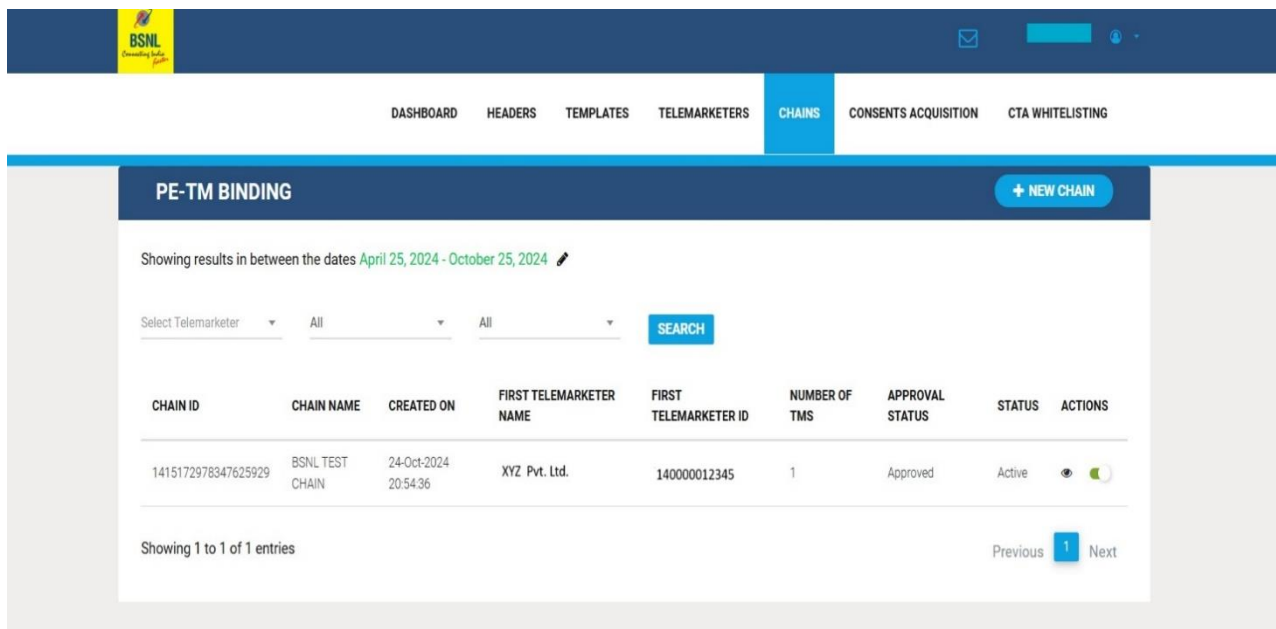


[New User? Signup Here](#)
[Not Enterprise? Switch Role](#)



4. Enter the OTP received on your registered Mobile number and click Verify



5. On the DLT Home page, you will see the option of **Chains**, click on chains option and further click on “+New Chain” tab

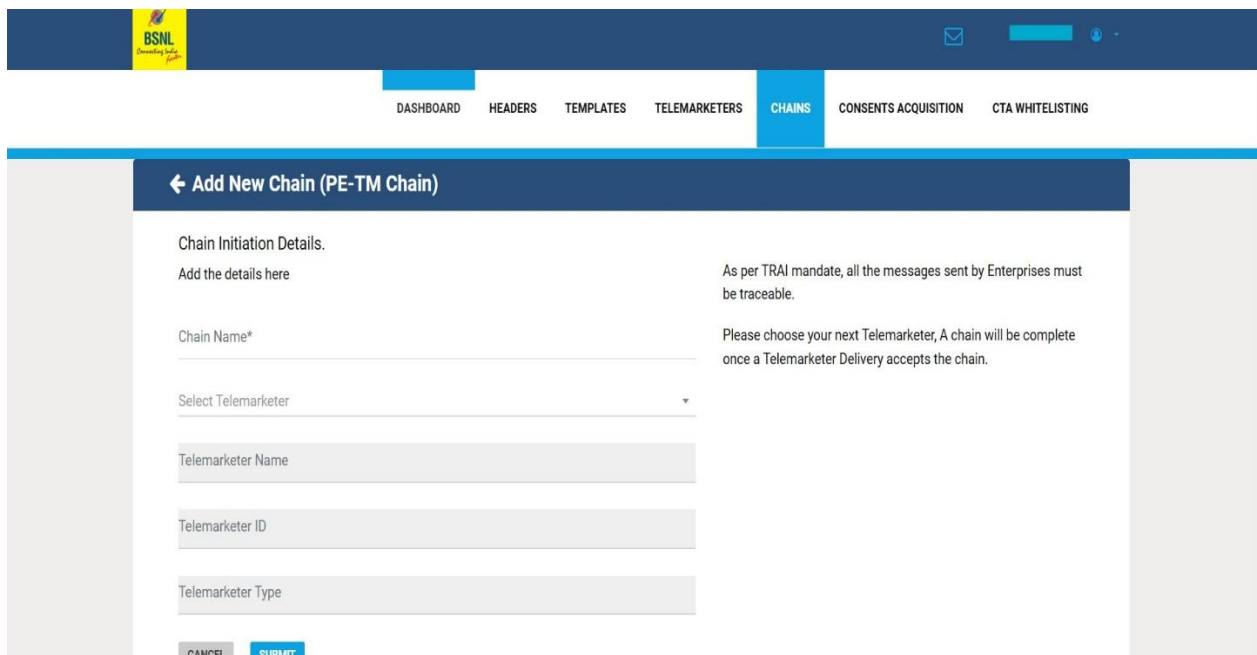


The screenshot shows the BSNL DLT Home page with the 'CHAINS' tab selected. The page title is 'PE-TM BINDING' and there is a '+ NEW CHAIN' button. Below the title, it says 'Showing results in between the dates April 25, 2024 - October 25, 2024'. There are filters for 'Select Telemarketer' (All), 'All', and 'All', and a 'SEARCH' button. A table lists the following chain:

CHAIN ID	CHAIN NAME	CREATED ON	FIRST TELEMARKETER NAME	FIRST TELEMARKETER ID	NUMBER OF TMS	APPROVAL STATUS	STATUS	ACTIONS
1415172978347625929	BSNL TEST CHAIN	24-Oct-2024 20:54:36	XYZ Pvt. Ltd.	140000012345	1	Approved	Active	 

Showing 1 to 1 of 1 entries. Navigation: Previous 1 Next

6. Chain initiation Page



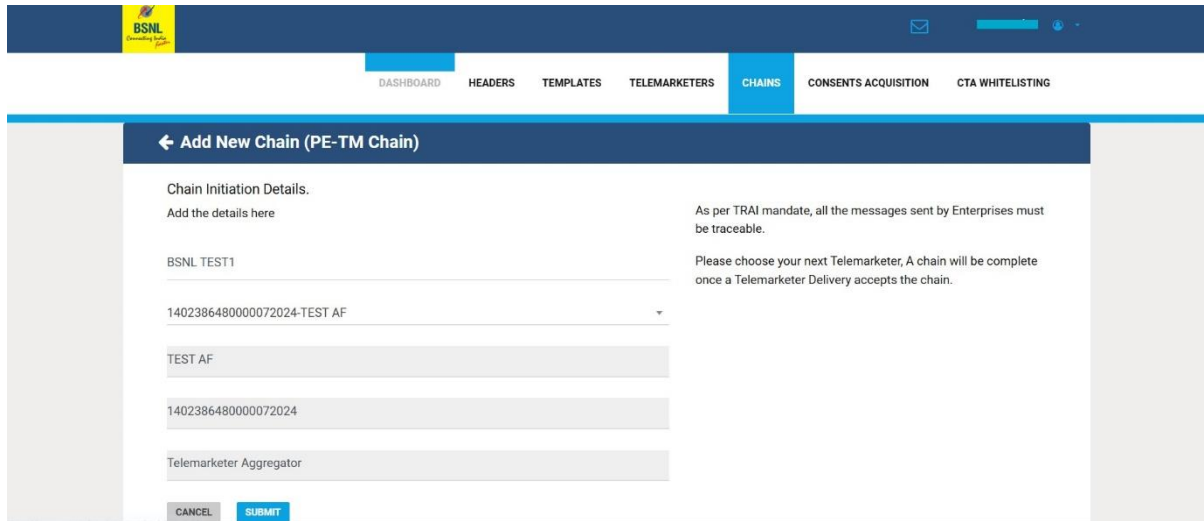
The screenshot shows the 'Add New Chain (PE-TM Chain)' page. It has a title bar with a back arrow and the text 'Add New Chain (PE-TM Chain)'. The page is divided into two columns. The left column is titled 'Chain Initiation Details. Add the details here' and contains the following form fields:

- Chain Name*
- Select Telemarketer (dropdown)
- Telemarketer Name (text input)
- Telemarketer ID (text input)
- Telemarketer Type (text input)

At the bottom of the left column are 'CANCEL' and 'SUBMIT' buttons. The right column contains two informational messages:

- As per TRAI mandate, all the messages sent by Enterprises must be traceable.
- Please choose your next Telemarketer, A chain will be complete once a Telemarketer Delivery accepts the chain.

- Enter a name to the chain, search TM-AF or TM-DF (to whom the traffic is delivered directly by the Enterprise) and submit the request,



← Add New Chain (PE-TM Chain)

Chain Initiation Details.
Add the details here

BSNL TEST1

1402386480000072024-TEST AF

TEST AF

1402386480000072024

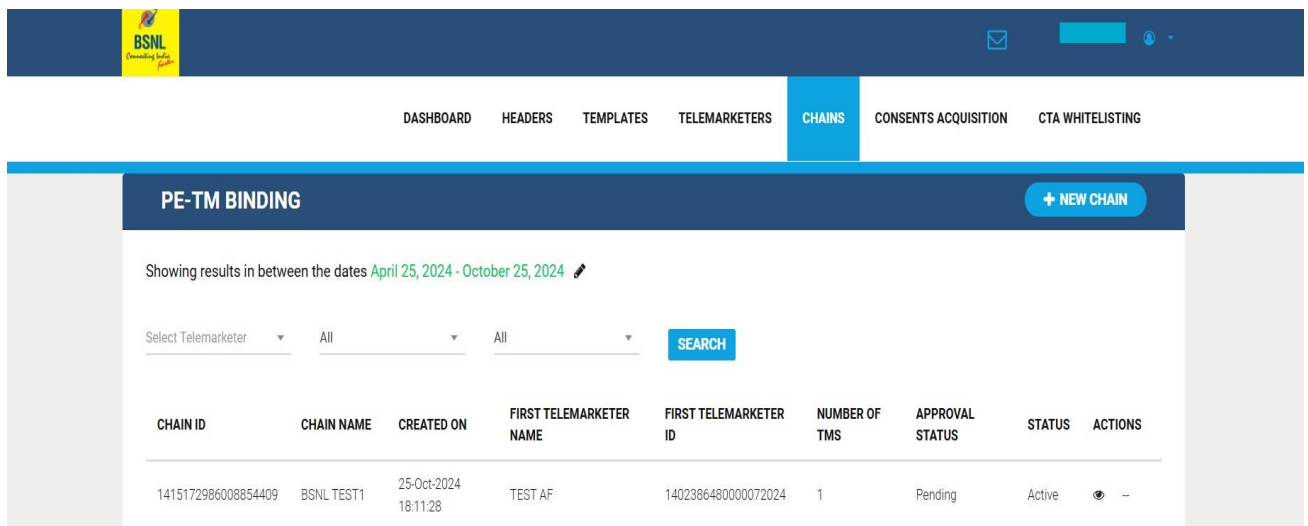
Telemarketer Aggregator

CANCEL SUBMIT

As per TRAI mandate, all the messages sent by Enterprises must be traceable.

Please choose your next Telemarketer, A chain will be complete once a Telemarketer Delivery accepts the chain.

- Chain Home page will show the request pending as its pending with the TM to approve chain initiation request.



PE-TM BINDING + NEW CHAIN

Showing results in between the dates April 25, 2024 - October 25, 2024

Select Telemarketer ▼ All ▼ All ▼ SEARCH

CHAIN ID	CHAIN NAME	CREATED ON	FIRST TELEMARKETER NAME	FIRST TELEMARKETER ID	NUMBER OF TMS	APPROVAL STATUS	STATUS	ACTIONS
1415172986008854409	BSNL TEST1	25-Oct-2024 18:11:28	TEST AF	1402386480000072024	1	Pending	Active	--

TM – Aggregator Login

1. For TM with existing credentials with BSNL DLT, choose existing telemarketer for login and enter email and password. TM will receive a mail notification to their registered mail ID, to act on the PE-TM chain.

TM with existing relation with have access via regular login, while TM with no relation to BSNL DLT will have limited access with Telemarketer (only for PE-TM chain)

Telemarketer Login

Telemarketer Type

Existing Telemarketer Telemarketer(Only for PE-TM Chain)

Enter your email address
abcd@example.com

Password

Remember Me [Forgot Password](#)

LOGIN

[New User ? Signup Here](#)
[Not ? Switch Role](#)

2. Enter the OTP to login to the BSNL portal

Stronger passwords alone aren't enough to protect your account from password breaches. Authenticate your login through OTP sent to your Mobile Number XXXXXX9777:

OTP

VERIFY [Resend OTP](#)

Stronger passwords alone aren't enough to protect your account from password breaches. Authenticate your login through OTP sent to your Mobile Number XXXXXX9777:

OTP
789345

VERIFY Resend OTP

Telemarketer

Telemarketer Aggregator: An individual or a company who collects SMS/voice traffic from enterprises, but DO NOT have direct connection with telecom operator.

Telemarketer Delivery: An individual or a company who collects SMS/voice traffic from enterprises, and has direct connection with telecom operator.

LOGIN

New User ? Signup Here
Not ? Switch Role

- For TM with no existing relationship with BSNL DLT portal, pl choose TM (only for PE-TM chain)

BSNL Connecting India faster

A secured DLT platform to manage your commercial communications

Enterprise

A commercial business (individual or company) dealing with products or services, who would like to communicate with their customers through SMS or voice.

Telemarketer

Telemarketer Aggregator: An individual or a company who collects SMS/voice traffic from enterprises, but DO NOT have direct connection with telecom operator.

Telemarketer Delivery: An individual or a company who collects SMS/voice traffic from enterprises, and has direct connection with telecom operator.

Telemarketer Login

Telemarketer Type

Existing Telemarketer(Only for PE-TM Chain)


Enter your TMID to verify and login. We'll send OTP to your registered email and phone

Enter your TM-ID

VERIFY AND LOGIN

New User ? Signup Here
Not Telemarketer? Switch Role

4. Please enter the Telemarketer ID issued by the DLT eco system



A secured DLT platform to manage your commercial communications

Enterprise
A commercial business (individual or company) dealing with products or services, who would like to communicate with their customers through SMS or voice.

Telemarketer
Telemarketer Aggregator: An individual or a company who collects SMS/voice traffic from enterprises, but **DO NOT** have direct connection with telecom operator.
Telemarketer Delivery: An individual or a company who collects SMS/voice traffic from enterprises, and has **direct connection** with telecom operator.

Telemarketer Login

Telemarketer Type

Existing Telemarketer
 Telemarketer(Only for PE-TM Chain)


Enter your TMID to verify and login. We'll send OTP to your registered email and phone

Enter your TM-ID
110253446000002507 **GET OTP**

VERIFY AND LOGIN

[New User ? Signup Here](#)
 Not Telemarketer? [Switch Role](#)

5. Enter the OTP triggered to both registered Mobile Number and Email id which will be used to two factor authentication to the BSNL DLT Portal



A secured DLT platform to manage your commercial communications

Enterprise
A commercial business (individual or company) dealing with products or services, who would like to communicate with their customers through SMS or voice.

Telemarketer
Telemarketer Aggregator: An individual or a company who collects SMS/voice traffic from enterprises, but **DO NOT** have direct connection with telecom operator.
Telemarketer Delivery: An individual or a company who collects SMS/voice traffic from enterprises, and has **direct connection** with telecom operator.

Telemarketer Login

Telemarketer Type

Existing Telemarketer
 Telemarketer(Only for PE-TM Chain)

Enter your TMID to verify and login. We'll send OTP to your registered email and phone

Enter your TM-ID
110253446000002507 **OTP Sent**

Didn't receive OTP? **RESEND**

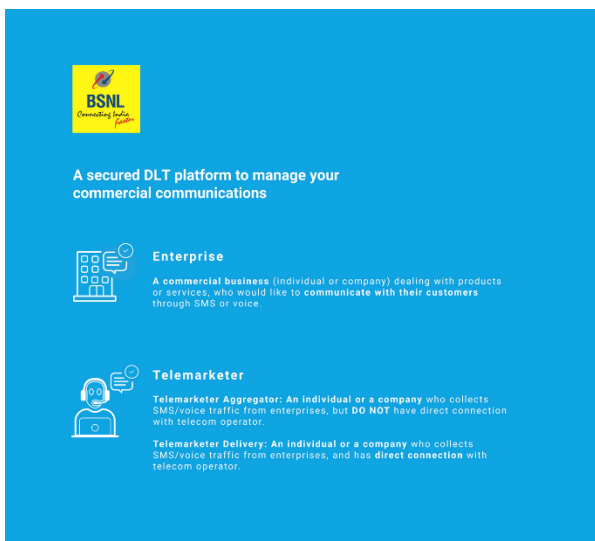
Enter OTP sent to Email (pu*****@*****om)

Enter OTP sent to Phone Number (*****7367)

VERIFY AND LOGIN

[New User ? Signup Here](#)
 Not Telemarketer? [Switch Role](#)

6. Verify and login to the BSNL DLT Portal



BSNL
Connecting India faster

A secured DLT platform to manage your commercial communications

Enterprise
A commercial business (individual or company) dealing with products or services, who would like to communicate with their customers through SMS or voice.

Telemarketer
Telemarketer Aggregator: An individual or a company who collects SMS/voice traffic from enterprises, but DO NOT have direct connection with telecom operator.
Telemarketer Delivery: An individual or a company who collects SMS/voice traffic from enterprises, and has direct connection with telecom operator.

Telemarketer Login

Telemarketer Type

Existing Telemarketer Telemarketer(Only for PE-TM Chain)

Enter your TMID to verify and login. We'll send OTP to your registered email and phone

Enter your TM-ID

110253446000002507

OTP Sent

Didn't receive OTP?

RESEND

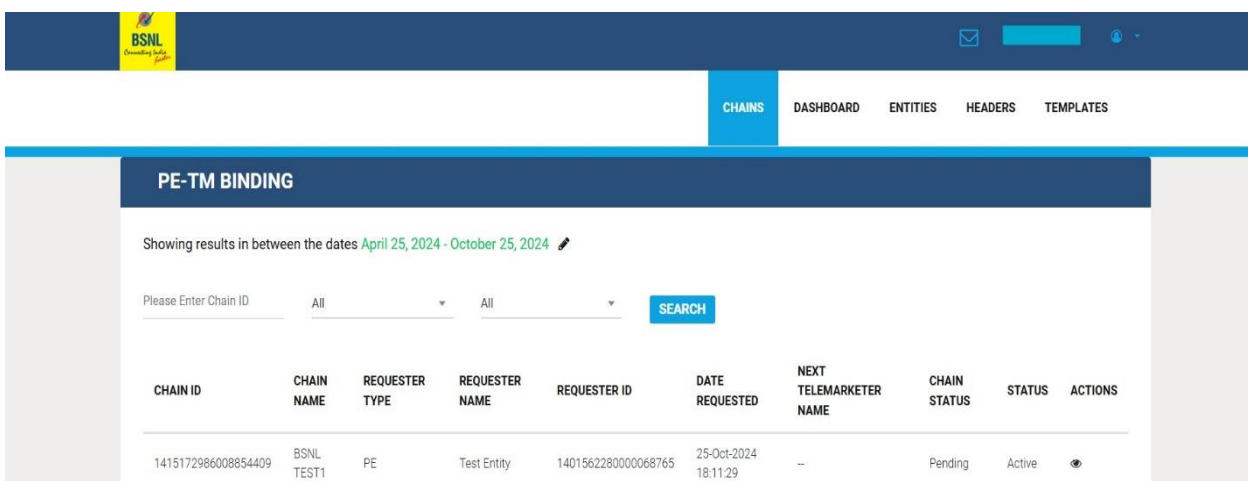
Enter OTP sent to Email (pu*****@*****om)

Enter OTP sent to Phone Number (*****7367)

VERIFY AND LOGIN

New User ? [Signup Here](#)
Not Telemarketer? [Switch Role](#)

- Click on chain option on the home page & View all Pending and approved request on the Chain Home Page and click on Action to take next steps
TM with only PE-TM Chain only option will only have access to view, declare, accept/reject chains.



BSNL
Connecting India faster

CHAINS DASHBOARD ENTITIES HEADERS TEMPLATES

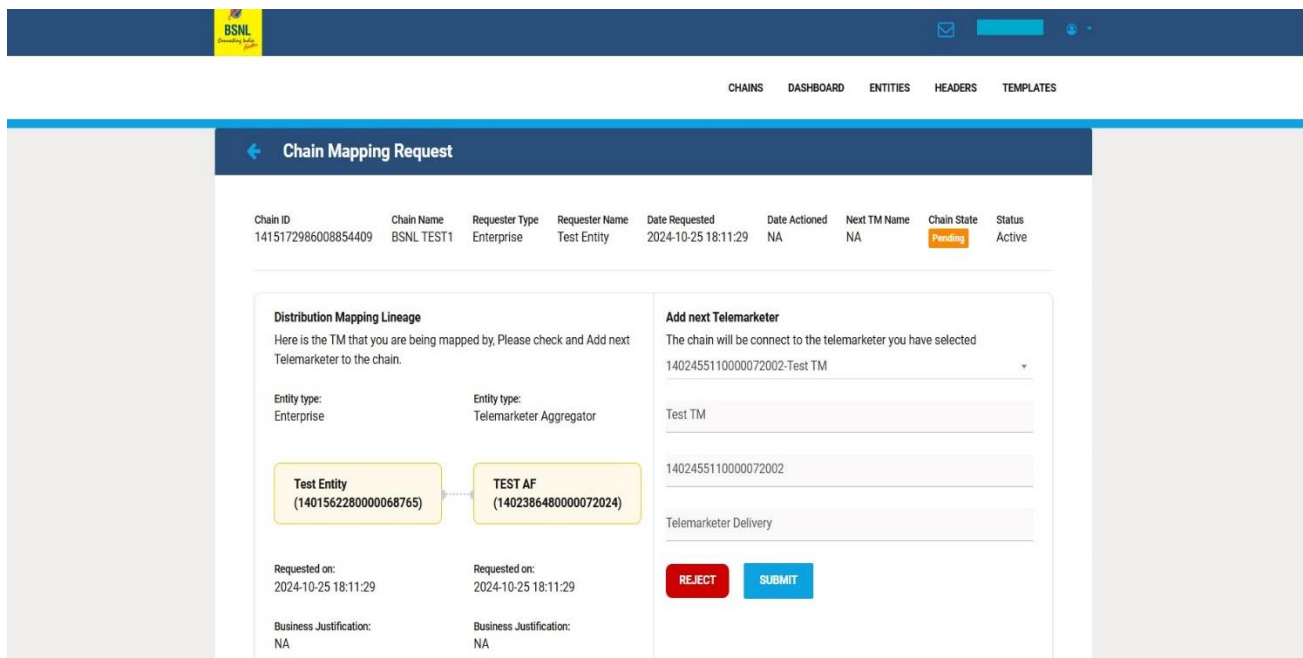
PE-TM BINDING

Showing results in between the dates **April 25, 2024 - October 25, 2024**

Please Enter Chain ID: All All

CHAIN ID	CHAIN NAME	REQUESTER TYPE	REQUESTER NAME	REQUESTER ID	DATE REQUESTED	NEXT TELEMARKETER NAME	CHAIN STATUS	STATUS	ACTIONS
1415172986008854409	BSNL TEST1	PE	Test Entity	140156228000068765	25-Oct-2024 18:11:29	--	Pending	Active	

- Check the request from PE or TM-AF & Choose next TM-AF or TM-DF to move the chain further. To Reject the request from PE, click on Reject



Chain Mapping Request

Chain ID	Chain Name	Requester Type	Requester Name	Date Requested	Date Actioned	Next TM Name	Chain State	Status
1415172986008854409	BSNL TEST1	Enterprise	Test Entity	2024-10-25 18:11:29	NA	NA	Pending	Active

Distribution Mapping Lineage

Here is the TM that you are being mapped by, Please check and Add next Telemarketer to the chain.

Entity type: Enterprise

Entity type: Telemarketer Aggregator

Test Entity
 (1401562280000068765)

→

TEST AF
 (140238648000072024)

Requested on: 2024-10-25 18:11:29

Business Justification: NA

Add next Telemarketer

The chain will be connect to the telemarketer you have selected

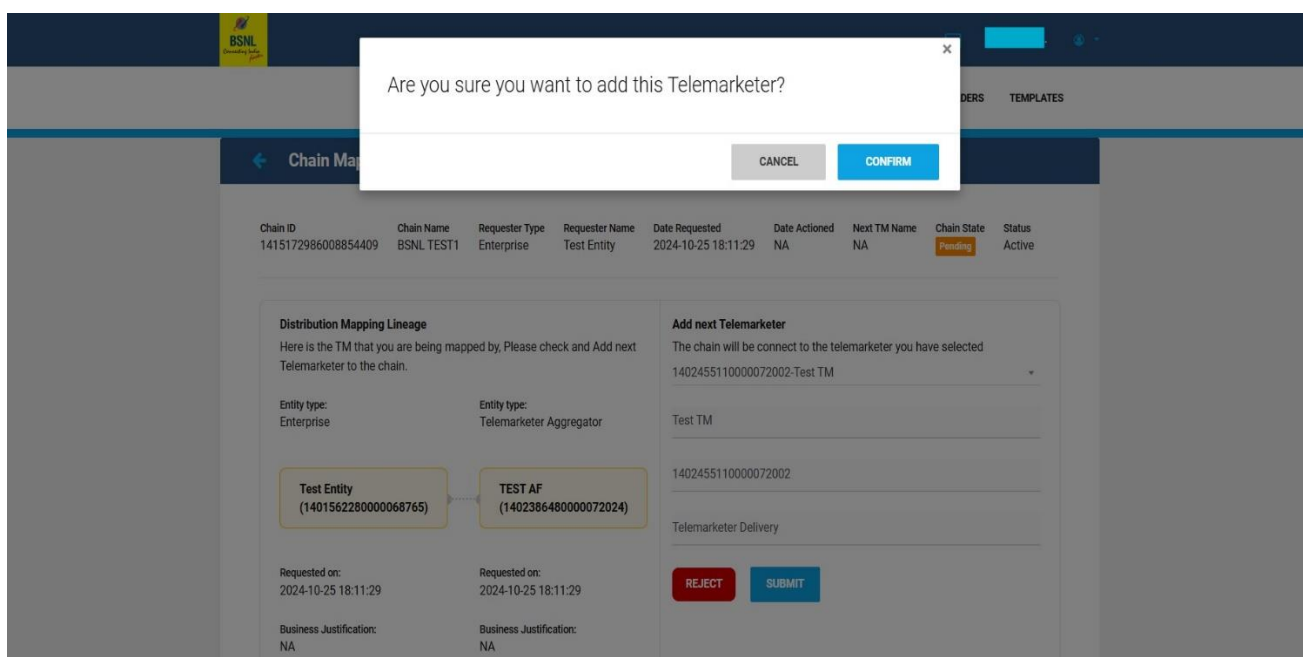
1402455110000072002-Test TM

Test TM

1402455110000072002

Telemarketer Delivery

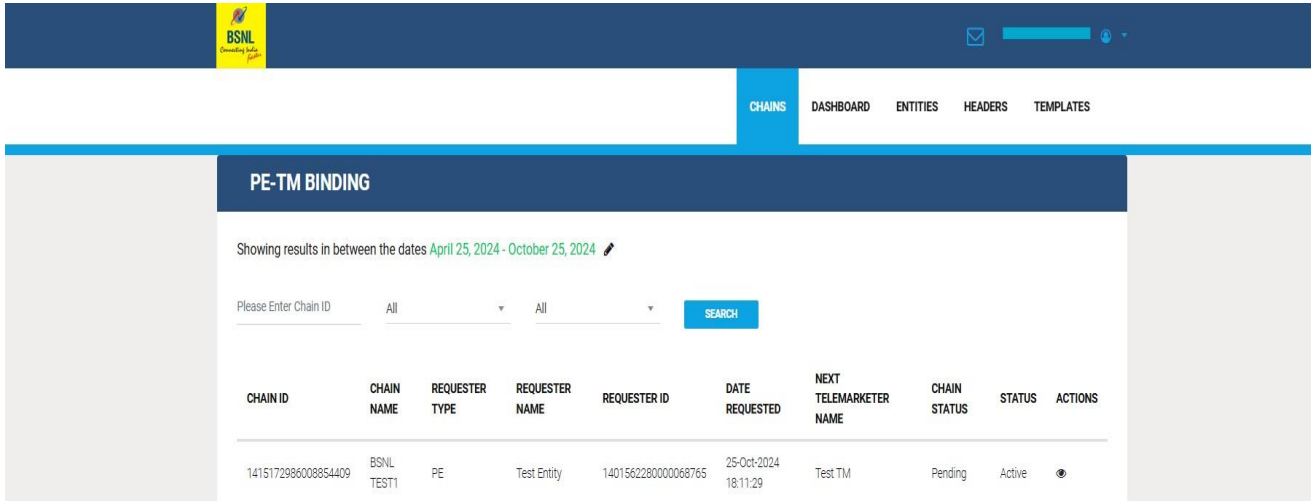
REJECT
SUBMIT




Are you sure you want to add this Telemarketer?

CANCEL
CONFIRM

9. Only the TM-AF or TM-DF is chosen, it will show in pending state with Telemarketer name in Next TM Name.



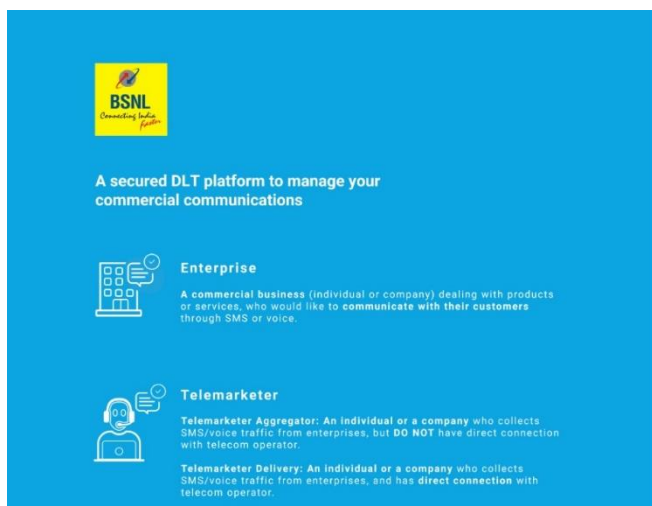
The screenshot shows the 'PE-TM BINDING' section of a BSNL web application. It includes a search bar with filters for 'Chain ID' and 'Requester Name', both set to 'All'. A table below displays the search results for the period of April 25, 2024, to October 25, 2024. The table has columns for Chain ID, Chain Name, Requester Type, Requester Name, Requester ID, Date Requested, Next Telemarketer Name, Chain Status, and Status. One entry is shown with a 'Pending' chain status and an 'Active' overall status.

CHAIN ID	CHAIN NAME	REQUESTER TYPE	REQUESTER NAME	REQUESTER ID	DATE REQUESTED	NEXT TELEMARKETER NAME	CHAIN STATUS	STATUS	ACTIONS
1415172986008854409	BSNL TEST1	PE	Test Entity	1401562280000068765	25-Oct-2024 18:11:29	Test TM	Pending	Active	

10. Suitable Justification is mandatory for adding more than 3 TM-AF in the chain

TM – Delivery Function Login

1. Login with existing credentials or with login only for PE TM Chain creation on the BSNL DLT portal



The landing page features the BSNL logo at the top left. Below it, the text reads: "A secured DLT platform to manage your commercial communications". There are two main sections: "Enterprise" and "Telemarketer".

Enterprise
A commercial business (individual or company) dealing with products or services, who would like to communicate with their customers through SMS or voice.

Telemarketer
Telemarketer Aggregator: An individual or a company who collects SMS/voice traffic from enterprises, but **DO NOT** have direct connection with telecom operator.
Telemarketer Delivery: An individual or a company who collects SMS/voice traffic from enterprises, and has direct connection with telecom operator.

Telemarketer Login

Telemarketer Type

- Existing Telemarketer Telemarketer(Only for PE-TM Chain)

Enter your email address

abcd@example.com

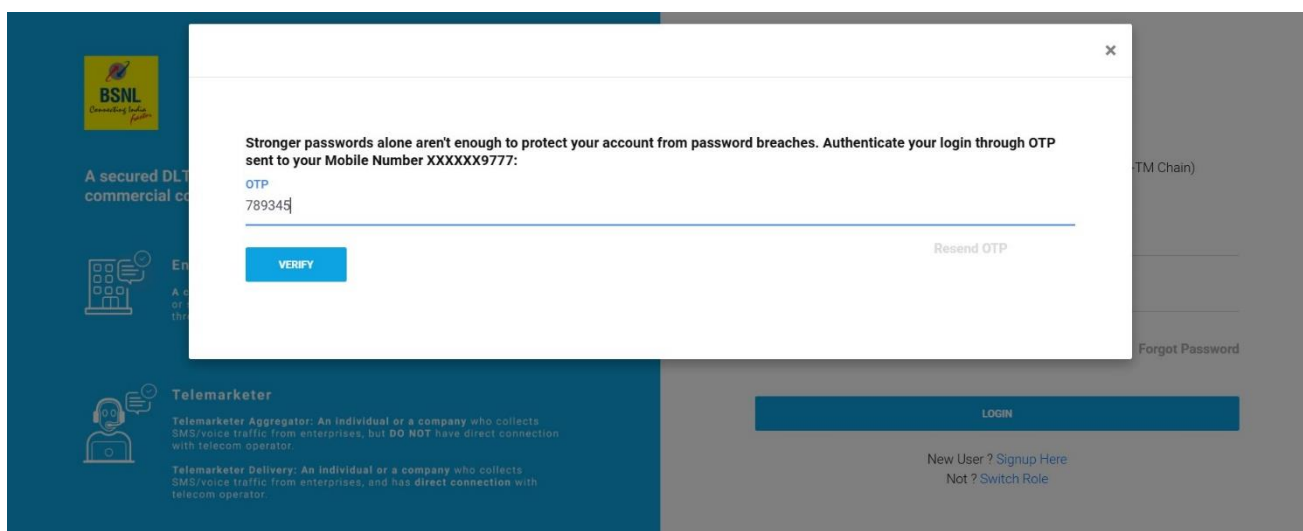
Password

Remember Me

[Forgot Password](#)

LOGIN

[New User ? Signup Here](#)
[Not ? Switch Role](#)

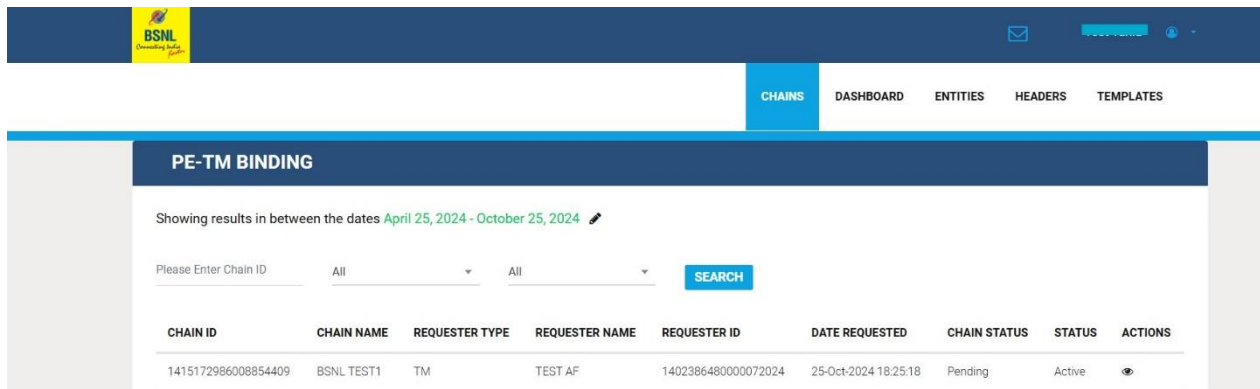


A modal window is displayed over the login page. The text inside the modal reads: "Stronger passwords alone aren't enough to protect your account from password breaches. Authenticate your login through OTP sent to your Mobile Number XXXXXX9777:".

OTP
789345

 [Resend OTP](#)

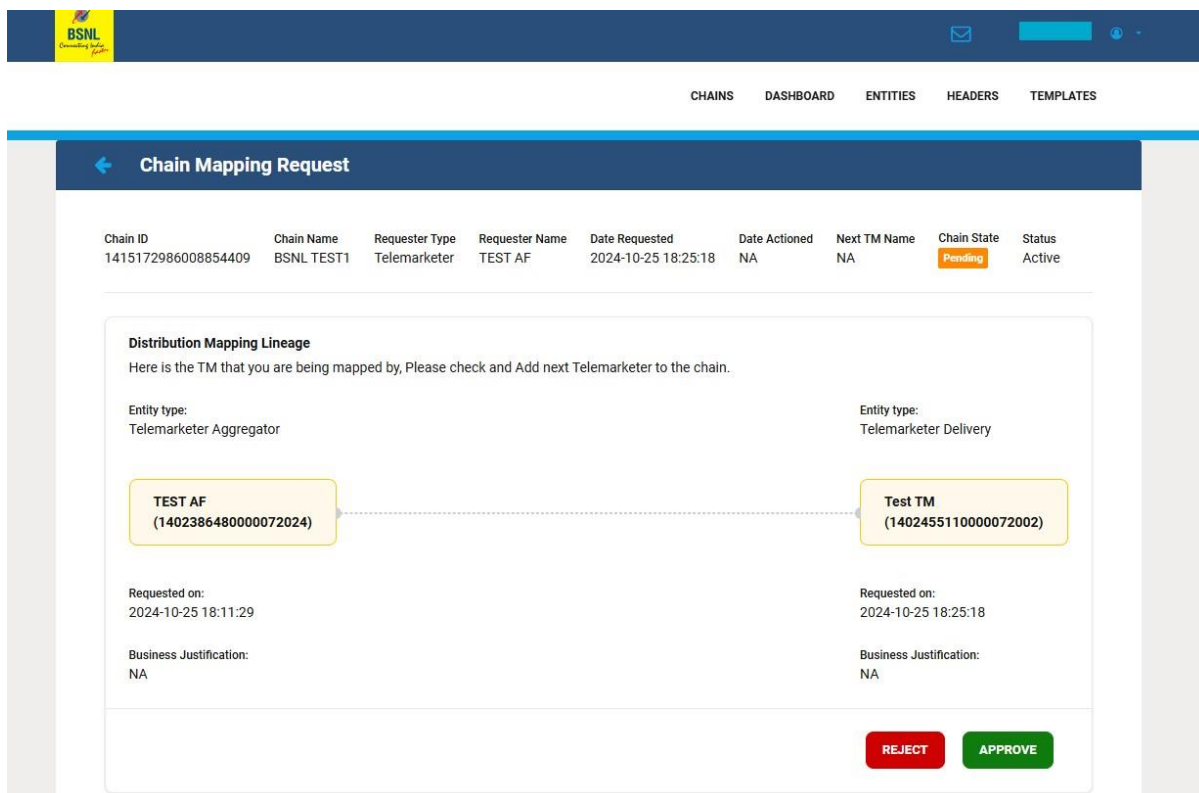
2. Click on chains option to view the active and pending chain requests and click on actions for taking action on chains.



The screenshot shows the 'CHAINS' section of the BSNL portal. It displays a table of chain requests with the following data:

CHAIN ID	CHAIN NAME	REQUESTER TYPE	REQUESTER NAME	REQUESTER ID	DATE REQUESTED	CHAIN STATUS	STATUS	ACTIONS
1415172986008854409	BSNL TEST1	TM	TEST AF	140238648000072024	25-Oct-2024 18:25:18	Pending	Active	

3. View the request and approve and reject the request.
 - a. Pl note that TM DF will have no visibility of PE in case the request has been raised by TM-AF
 - b. TM-DF cannot choose further TM-DF, as there is only single TM-DF allowed in the chain.



The screenshot shows the 'Chain Mapping Request' page. It displays the following details for a pending request:

Chain ID	Chain Name	Requester Type	Requester Name	Date Requested	Date Actioned	Next TM Name	Chain State	Status
1415172986008854409	BSNL TEST1	Telemarketer	TEST AF	2024-10-25 18:25:18	NA	NA	Pending	Active

Distribution Mapping Lineage
Here is the TM that you are being mapped by, Please check and Add next Telemarketer to the chain.

Entity type: Telemarketer Aggregator (TEST AF, ID: 140238648000072024) is mapped to Entity type: Telemarketer Delivery (Test TM, ID: 1402455110000072002).

Requested on: 2024-10-25 18:11:29 (for TEST AF) and 2024-10-25 18:25:18 (for Test TM).

Business Justification: NA

Buttons: **REJECT** (red) and **APPROVE** (green).

Are you sure you want to Approve the chain mapping?

CANCEL CONFIRM

Chain ID	Chain Name	Requester Type	Requester Name	Date Requested	Date Actioned	Next TM Name	Chain State	Status
1415172986008854409	BSNL TEST1	Telemarketer	TEST AF	2024-10-25 18:25:18	NA	NA	Pending	Active

Distribution Mapping Lineage
Here is the TM that you are being mapped by, Please check and Add next Telemarketer to the chain.

Entity type: Telemarketer Aggregator

Entity type: Telemarketer Delivery

TEST AF (140238648000072024) — Test TM (1402455110000072002)

Requested on: 2024-10-25 18:11:29

Requested on: 2024-10-25 18:25:18

Business Justification: NA

Business Justification: NA

REJECT APPROVE

4. Post Chain approval, it will go to home page of chains in pending state where final approval will be given by PE for complete chain.

Chain Approved successfully: BSNL TEST1

OK

Chain ID	Chain Name	Requester Type	Requester Name	Date Requested	Date Actioned	Next TM Name	Chain State	Status
1415172986008854409	BSNL TEST1	Telemarketer	TEST AF	2024-10-25 18:25:18	NA	NA	Pending	Active

Distribution Mapping Lineage
Here is the TM that you are being mapped by, Please check and Add next Telemarketer to the chain.

Entity type: Telemarketer Aggregator

Entity type: Telemarketer Delivery

TEST AF (140238648000072024) — Test TM (1402455110000072002)

Requested on: 2024-10-25 18:11:29

Requested on: 2024-10-25 18:25:18

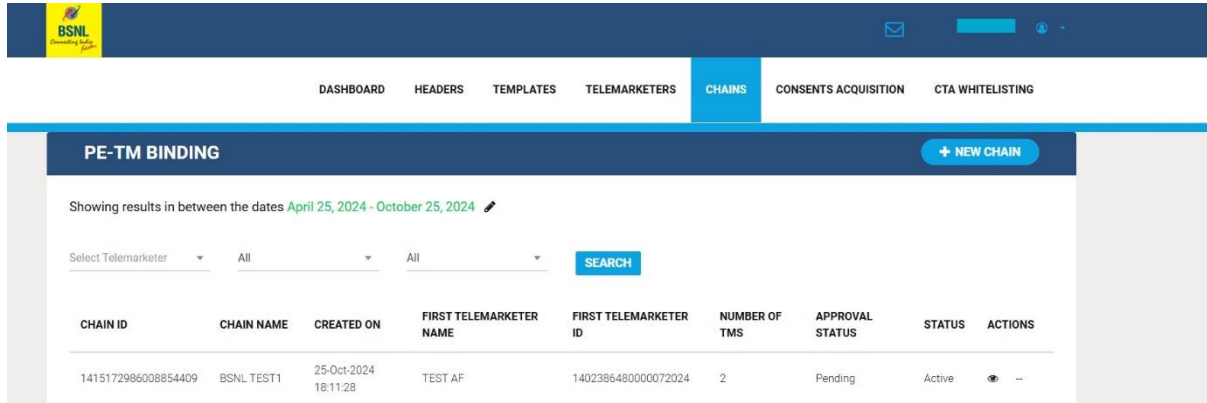
Business Justification: NA

Business Justification: NA

REJECT APPROVE

Enterprise Login

1. Click on actions to view pending chain requests



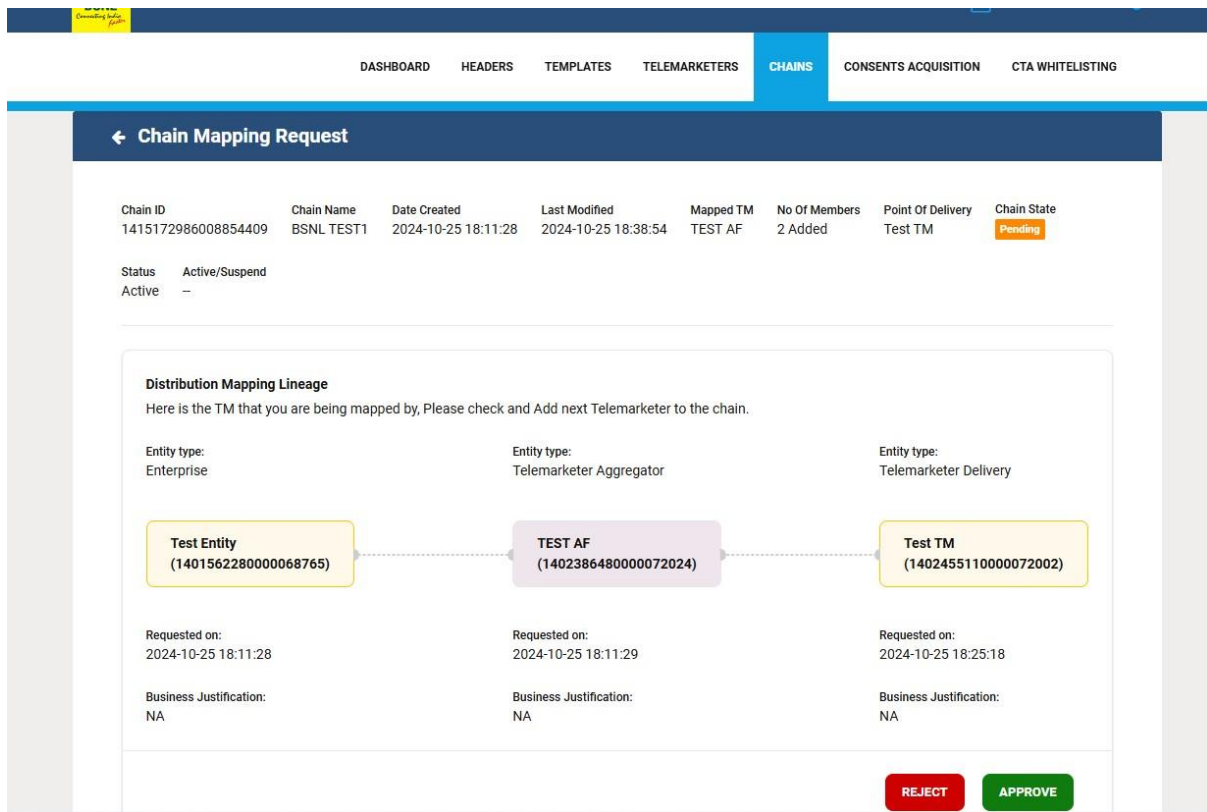
PE-TM BINDING + NEW CHAIN

Showing results in between the dates April 25, 2024 - October 25, 2024

Select Telemarketer: All | All | SEARCH

CHAIN ID	CHAIN NAME	CREATED ON	FIRST TELEMARKETER NAME	FIRST TELEMARKETER ID	NUMBER OF TMS	APPROVAL STATUS	STATUS	ACTIONS
1415172986008854409	BSNL TEST1	25-Oct-2024 18:11:28	TEST AF	1402386480000072024	2	Pending	Active	--

2. View the entire chain end to end and click to approve or reject



Chain Mapping Request

Chain ID	Chain Name	Date Created	Last Modified	Mapped TM	No Of Members	Point Of Delivery	Chain State
1415172986008854409	BSNL TEST1	2024-10-25 18:11:28	2024-10-25 18:38:54	TEST AF	2 Added	Test TM	Pending

Status: Active/Suspend
Active: --

Distribution Mapping Lineage

Here is the TM that you are being mapped by, Please check and Add next Telemarketer to the chain.

Entity type:
Enterprise

Test Entity
(1401562280000068765)

Requested on:
2024-10-25 18:11:28

Business Justification:
NA

Entity type:
Telemarketer Aggregator

TEST AF
(1402386480000072024)

Requested on:
2024-10-25 18:11:29

Business Justification:
NA

Entity type:
Telemarketer Delivery

Test TM
(1402455110000072002)

Requested on:
2024-10-25 18:25:18

Business Justification:
NA

REJECT
APPROVE

CANCEL
CONFIRM

Are you sure you want to Approve the chain mapping?

Chain ID	Chain Name	Date Created	Last Modified	Mapped TM	No Of Members	Point Of Delivery	Chain State
1415172986008854409	BSNL TEST1	2024-10-25 18:11:28	2024-10-25 18:38:54	TEST AF	2 Added	Test TM	Pending

Status: Active/Suspend
Active: --

Distribution Mapping Lineage

Here is the TM that you are being mapped by, Please check and Add next Telemarketer to the chain.

<p>Entity type: Enterprise</p>	<p>Entity type: Telemarketer Aggregator</p>	<p>Entity type: Telemarketer Delivery</p>
<p>Test Entity (140156228000068765)</p>	<p>TEST AF (140238648000072024)</p>	<p>Test TM (140245511000072002)</p>
<p>Requested on: 2024-10-25 18:11:28</p>	<p>Requested on: 2024-10-25 18:11:29</p>	<p>Requested on: 2024-10-25 18:25:18</p>
<p>Business Justification: NA</p>	<p>Business Justification: NA</p>	<p>Business Justification: NA</p>

REJECT
APPROVE

OK

Chain Approved
successfully : BSNL TEST1

Chain ID	Chain Name	Date Created	Last Modified	Mapped TM	No Of Members	Point Of Delivery	Chain State
1415172986008854409	BSNL TEST1	2024-10-25 18:11:28	2024-10-25 18:38:54	TEST AF	2 Added	Test TM	Pending

Status: Active/Suspend
Active: --

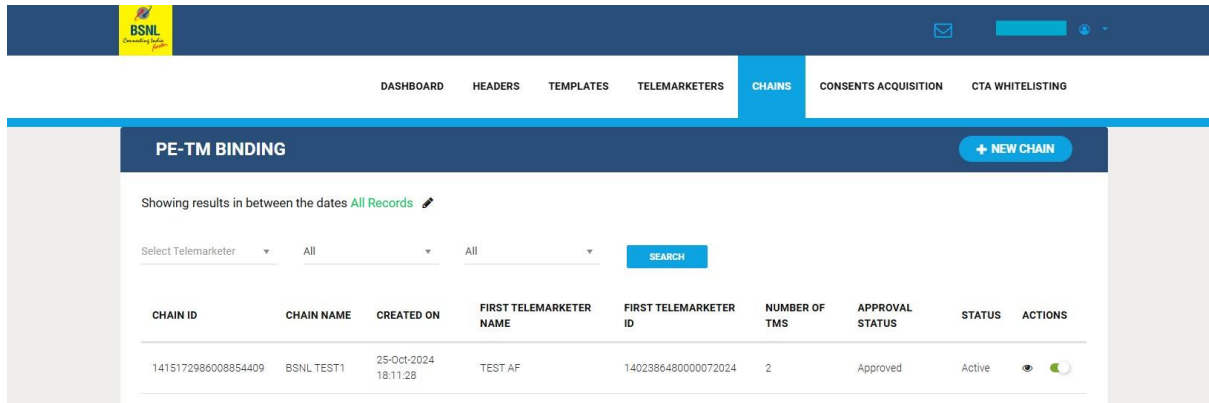
Distribution Mapping Lineage

Here is the TM that you are being mapped by, Please check and Add next Telemarketer to the chain.

<p>Entity type: Enterprise</p>	<p>Entity type: Telemarketer Aggregator</p>	<p>Entity type: Telemarketer Delivery</p>
<p>Test Entity (140156228000068765)</p>	<p>TEST AF (140238648000072024)</p>	<p>Test TM (140245511000072002)</p>
<p>Requested on: 2024-10-25 18:11:28</p>	<p>Requested on: 2024-10-25 18:11:29</p>	<p>Requested on: 2024-10-25 18:25:18</p>
<p>Business Justification: NA</p>	<p>Business Justification: NA</p>	<p>Business Justification: NA</p>

REJECT
APPROVE

- Once the chain is approved, it will be available on the home page of Enterprise as a approved chain



BSNL

DASHBOARD HEADERS TEMPLATES TELEMARKETERS CHAINS CONSENTS ACQUISITION CTA WHITELISTING

PE-TM BINDING

+ NEW CHAIN

Showing results in between the dates All Records

Select Telemarketer All All SEARCH

CHAIN ID	CHAIN NAME	CREATED ON	FIRST TELEMARKETER NAME	FIRST TELEMARKETER ID	NUMBER OF TMS	APPROVAL STATUS	STATUS	ACTIONS
1415172986008854409	BSNL TEST1	25-Oct-2024 18:11:28	TEST AF	1402386480000072024	2	Approved	Active	