

IMPS CERTIFICATIONS ZONE USER MANUAL FOR BANKS v1.1 (NPCI/CERT/IMPS-008)



Document History

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1. Introduction

This document describes the features and functionalities of the certifications zone tool for IMPS Product. IMPS certifications zone is a simulating tool that facilitates testers to self-execute the test transactions corresponding to the test cases that make part of the IMPS certification program. This certifications zone helps member banks to develop switch applications in accordance to IMPS latest specification 3.4.1.1.

The basic idea behind this certifications zone is to provide banks a direct web based access, a mechanism to simulate transactions both comfort and UAT round of testing without the involvement of NPCI team.

2. Architecture

2.1 Architecture

For the bank pursuing remitter certification, the IMPS certifications zone will act both as NPCI network and beneficiary. Similarly the IMPS certifications zone will act both as NPCI network and remitter for the bank pursuing beneficiary certification for its EFT switch. During configuration phase, these simulation modules are activated and linked to a certification slot which represents a particular certification.



2.2 Salient Features

- ✓ Self-execution of test cases by member banks with minimum support from NPCI for comfort and UAT rounds of certification
- ✓ Banks can perform both Remitter and Beneficiary cases.
- ✓ Certifications zone is available round the clock for certification i.e., 24*7*365 days
- ✓ It ensures effective transaction validation and explicit messaging for each type of error.
- ✓ Dashboard to view the status of daily status
- ✓ Safe & Secure as it is using SSL validation via HTTPS protocol TLS 1.2 and it is hosted on NPCI Net
- ✓ Supports simultaneous certifications for different sub-products (P2P, P2A & FIR) and channels like Mobile, Internet, ATM, Branch, and SMS.
- ✓ Access to the system based on unique login credential.
- ✓ Option to view the transaction logs from the UI, enabling versatile searching options

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✓ Explicit messaging and guidance during transaction validation.



- ✓ Option available to download Review report and UAT script.
- ✓ Downloadable option for raw files and NTSL file for reconciliation

2.3 Connection to IMPS certifications zone

The architecture of IMPS Certifications zone necessities the following two type of connections for the bank to establish.

2.3.1 Scopes and Channels available in Certifications Zone

- ➢ P2A − (MOB/ INET/ BRC/ ATM)
- ➢ P2P − (MOB/ INET/ BRC/ ATM)
- ➢ FIR− (P2P & P2A)

2.3.1.1 Bank's switch connection to IMPS certifications zone

In order to certify its host switch, a bank needs to establish a connection between its EFT switch and IMPS certifications zone.

During configuration phase and prior to the start of the certification, the NPCI team will share a port number and the natted IP of the IMPS certifications zone with banks.

Ex: Source IP (192.168.xx.xx / 10.1.xx.xx), Destination IP (192.168.xx.xx) and port xxxx

The banks in return need to share the natted IP of the EFT switch with NPCI team. The natted IP provided by the bank will be configured in NPCI network and in IMPS certifications zone.

The below figure shows that a bank's EFT switch is connected to the switch interface of the IMPS certifications zone for the exchange of the ISO messages.

Note: The connection will be allowed only with the natted IP shared by the bank specifically for the IMPS certifications zone.





2.3.2 Web connectivity for accessing IMPS certifications zone

The bank user needs to access IMPS Certifications zone over the web in order to perform testing. This type of connection is specific to the IMPS Certifications zone architecture, and is essential for accessing the IMPS Certifications zone as a simulating tool over the web.

The IMPS certification zone allows user to access over a completely secure medium by using HTTPS TLS 1.2 protocol. HTTPS URLs begin with "https://" and use **port xxx** by default with destination **IP 192.168.xx.xx**.



All the data, travel via an SSL encrypted medium with SSL certificate being issued by established and recognized Internet Certification Authority.

URL: https://certificationszone.npci.org.in/IMPS/login

3. Browser compatibility

IMPS Certifications zone is compatible with the following browsers:

- > Microsoft edge:- Version 44 or above on Windows Platform
- > Mozilla Firefox:- Version 70 or above on Windows Platform
- > Google Chrome:- Version 70 or above on Windows Platform

Note:

- It is recommended to use Google chrome version 70 or above on windows platform and using internet explorer may not yield good results.
- All the above mentioned browsers have been tested on windows and Linux platforms.

4. Accessing IMPS certifications zone

4.1 Pre-requisites

Member bank can opt for Certification testing (Comfort round/UAT round) or support testing, accordingly testing slot will be provided by NPCI. The bank pursuing certification/support need to share the following details in UT (Universal Template) prior to commencement of the testing:

S.NO	Details to be Provided	New Bank	Existing bank
1	Name of Bank	✓	✓
2	Bank code	NPCI	\checkmark
3	Acquirer ID	NPCI	\checkmark
4	NBIN	NPCI	\checkmark
5	Bank source IP	NPCI	\checkmark
6	Port	NPCI	NPCI
7	Account number	✓	✓
8	IFSC Code	✓	✓
9	Mobile number(P2P)	✓	✓
10	Amount limit	✓	✓
11	Email ID	\checkmark	\checkmark
12	Scope of certification	\checkmark	\checkmark

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✓ User credential and password will be provided by NPCI



4.2 URL

The intended users from NPCI's member banks need to access the below URL:

https://certificationszone.npci.org.in/IMPS/login

Note: if the bank is not able to access URL, bank has to add the domain name i.e., certificationszone.npci.org.in in default proxy settings of the browser.

4.3 Turnaround Time (TAT)

Bank has to complete all stages of certification within TAT, defined by NPCI and the TAT for test case execution is given in below table for both Comfort and UAT rounds. Given test slot for current scope of testing will be expired once the TAT has exceeded by the bank, then again bank has to request NPCI certification team for extension of test slot if required with proper justification for exceeding TAT.

Activity/Round of testing	Comfort- TAT (in Days)	UAT-TAT (in Days)
Execution of test cases	15	2

5. Login Page

- After successful onboarding of member bank, NPCI (Admin) will create a bank user and will share the login credentials (User Name and Password) with bank, prior to the start of testing.
- The user should correctly enter the 'User Name' Followed by correct 'Password' shared by NPCI earlier.
- Enter valid captcha displayed on screen and finally click on the login button. A successful Login will redirect the user to the HOME page.
- 'Password' is case sensitive





Elements of login page

The login page of IMPS certifications zone will have following highlights: 1. NPCI logo and Tab name as – '**login**'

2. HTTPS protocol and Padlock: The address uses 'https' which means that communication is encrypted and secured using SSL.

- 3. Text boxes for Login credentials and NPCI logo
- 4. Text Captcha

6. Home Page

After successful validation of the Login credentials, the system navigates the user to the 'Home' page. Immediately after first login bank will be forced to change the login password received from NPCI and the password should consists of at least one capital letter and one number and minimum 8 characters in length.

NPEI		
MUN NAMGATION	Manage Password	🆓 Dishboard
Manage Tester	Old Password	Confirm Password
• Manage Test		0
🗮 Manage Keports 🤇 🤇	Change Password	

Note: Bank will not get any mail notification for password change and please be noted that mail ID in username extensively for login purpose, no alerts will be sent to that mail.

Home page displays the following tabs for the Bank User and the following options are available.

- Dashboard
- Manage Tester
- Manage Test
- Manage Reports

🔁 Dashboard	
🗮 Manage Tester	
Manage Test	
🔳 Manage Reports	<

6.1 Dashboard

This Field consists of bank information like Name, Bank source IP, NBIN, Port etc and transaction count, with which bank tester is able to know the basic information about



bank, testing status, downloadable latest IMPS specification, reference test case sheets and Notifications sent by NPCI and Hamburger icon to toggle the main menu is available

NPEIN	• •	(😩 Test2
MARK NARRATION	Dashboard				0.00		6 Dathboard
Dechboard							
Manage Tester	Tool developed a		of the bank is not compliant				
O Manage Text				-			
III Manage Reports C	Bank Info		6	west .	E D	Test Cases Files	
	Bank Name Bank IP	58i Test bank 50.200.29.22		ectication Tile			
	Account	30387807420 4567		Cick to dow	elosd O	Click to download O	
	Acquirer ID Bank Code	204567 50i			-		
	Bank Port IFSC	2390 58/80001121		martine (card			
	Mobile AMT Limit	9133289239 9099999					

Note: Bank has to check the Dashboard for all notifications by **NPCI** to pre-inform banks about scheduled maintenance down time. After scheduled activity bank has to start the node.

6.2 Manage Tester

This field consists of bank testers list, as of now bank is provided with only one user login for one test slot

	Ξ			🔒 sei	Simulator Bank
MAIN NAVGATION	Bank Use	ers List		🙆 Dashboard	• Bank Users List
n Dashboard	Users List				
O Manage Test	ID	Name	Email		
Manage Reports	1	SBI Simulator Bank	sbi@gmail.com		

6.3 Manage Test

This field consists of bank test slot, as shown below bank can execute and see the transaction logs. If bank wants to request any waiver then select that particular case in the waiver shown in the below screen shot

Banks \rightarrow CERT Slots \rightarrow Group \rightarrow Test, Log and waiver

	=				
	Manage Test				
🍘 Dashboard	Banks	CERT Slots			
🗮 Manage Tester	SBI	Group	Test	Log	Waiver
Manage Test		P2A-BENE-48-MOB	0	6	=
I Manage Reports <		P2A-REME-48-MOB	0	B	=



6.4 Manage Reports

In manage reports tab bank will be allowed to download various reports. In comfort round of testing bank will be provided with review report only but in UAT Round, there are 3 different reports available for bank to download i.e., Review report, Settlement report, UAT script . Detailed explanation for reports was given in further sections.

6.5 Logout

The user can exit from current session using the '**Sign out**' button on the top right hand corner near '**User Profile**'.

Note: Multiple sessions were not allowed with the same user credentials, i.e., only one user is allowed to access the certifications zone with the credentials provided by NPCI

ABC_BankAdmin ABC_BankAdmin Reset Password Sign out

7. Using IMPS certifications zone for certification

7.1 Network Cases

Bank acting as Remitter /Beneficiary / Both has to perform the network cases.

IAIN NAVIGATION	Manage Tes	t			
🏠 Dashboard	Banks	CERT Slots			
Manage Tester	SBI	Group	Test	Log	Waiver
Manage Test		P2A-BENE-48-MOB	0	B	=
Manage Reports	<.	P2A-REME-48-MOB	0	B	#
		Network Testagen	0		

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b. To view logs, please select text icon.





letwork	Test Cases						2
Name	RefName	Description	CertGroup	RC	Remark		
1.1	011	SIGN ON MESSAGE FROM BANK	REME	00	001	►	
2	012	SIGN OFF MESSAGE FROM BANK	REME	00	002	•	
3	013	ECHO MESSAGE FROM BANK	REME	00	301	•	
4	014	SIGN ON MESSAGE TO BANK	BENE	00	001		
5	015	SIGN OFF MESSAGE TO BANK	BENE	00	002		
6	016	ECHO MESSAGE TO BANK	BENE	00	301		
.7	017	CUTOVER MESSAGE TO BANK	BENE	00	201		

		Status					
		Id	REO	RES	Description		
as	in	0	0800	0810			
:→	13 11	7	1115084913	1115084913			
		11	809167	809167			
		39		00			
		70	001	001			
		_					
	as	as in	as in ^{1d} 7 11 39 70	as in 10 001 10 007 1115084913 11 809167 39 10 001	Id REQ RES 0 0800 0810 7 1115084913 1115084913 11 809167 809167 39 00 001	Id REQ RES Description as 0 0800 0810 0810 7 1115084913 1115084913 00 11 809167 809167 00 70 001 001 001	

7.2 Remitter Cases

Select Remitter cases from the CERT Slots where Bank is acting as Remitter and Tool as NPCI Switch and Beneficiary.

MAIN NAVIGATION	Manage Test			
🔁 Dashboard	Banks	CERT Slots		
🛓 User Management 🛛 <	АХВ	Group	Test	Log
🏛 Manage Banks 🛛 🔇		P2A-BENE-48-INET	0	B
🗹 Manage Slot		P2A-REME-48-INET	0	6
Manage Test		Network Testcases	0	6
I Manage Reports <				

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Select to the 'play' icon to go to test cases.



IMPS	P2P Remitter	Certifica	tion			Bank Node : 👎	Bank Info 🗸	෯ Dashboard	Manage Test	> Test Cases
Test (Cases & Beneficiary	Informatio	n							2
Name	Certification Group	PCode		Mobile	MMID		RC	TCStatus	Log	-
1.1	P2P-REME-45	90 <mark>0</mark> 000			6699011		00	~		
1.2	P2P-REME-45	900000			6699012		00	~		
1.3	P2P-REME-45	90 <mark>0</mark> 000			6699013			~		
1.4	P2P-REME-45	900000			6699014		00	~	I	
2.1	P2P-REME-45	90 <mark>0</mark> 000			6699021		M1	~		
2.10	P2P-REME-45	900000			6699210		08	~	I	
2.11	P2P-REME-45	900000			6699211			~		
RRN S	Search		Latest Log							7
Ente	er RRN	Search	Bank Name :		RRN:931016808762	Status :		AcqId :	109888	

When clicked on particular slot, the user can see the below screen. Here the user can see slot information in Bank Info button as shown in below screen.

K	Bank Node : 🌪 🛛 Bank Info 🗸	🙆 Dashb	oard 🔹 Manage Test
Û	Start Stop Bank Node :Stopped Name :SBI Test bank		
IFSC	IP:10.200.29.22 Port:2390		TCStatus
SBIB000112	Certification :P2A-BENE-48 Simulator Bank :HDFC Bank		~
SBIB000112	Acquirer Id :107890 Certification Id :SBIB000123		0
SBIB0001121	1000	Testing	0

To start the test case, the user has to make the bank node up. By default the bank node will be down as shown in above screen with down thumb impression. To set the node up go to the Bank info button and click start button as shown in above screen.

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The screen shows the bank node is Listening ightarrow

Bank Node : 🖒	Bank Info 🗙	Ð	Dashboard	Mar
Start Stop				
Bank Node :List	tening			
Name :SBI Test	bank			
IP:10.200.29.22				
Port:4567				
Certification :P	2A-REME-48			
Simulator Bank	:HDFC Bank			
Acquirer Id:107	7890			
Certification Id	:SBIB000123			



Once the node made listen, then bank has to do telnet from their source server and has to send sign on then node will be up and bank can commence testing

	Bank Node : 🐽 🛛 Bank Info 🗸	🚳 Dashboa	rd 🔹 Manage Test 🏷
Û	Start Stop Bank Node :Started Name :SBI Test bank		
IFSC	IP :10.200.29.22 Port :2390		TCStatus
SBIB000112	Certification :P2A-BENE-48 Simulator Bank :HDFC Bank		~
SBIB000112	Acquirer Id :107890 Certification Id :SBIB000123		0
SBIB000112	. 1000	Testing	.0

The user can start testing test cases by selecting test button against each test case. Before commencement of testing, the user need to configure the given MMID (P2P), Account no., IFSC (P2A) in Request Message for Beneficiary.

As Bank is remitter it should send request to the Tool whereas tool will provide response for the same.

							😬 ABC_I	BankAdmin
IMPS	P2P Remitter	Certifica	tion	Bank Node : 🐋	Bank Info 🗸	🕫 Dashboard	Manage Test	> Test Cases
Test (Cases & Beneficiary	Informatio	ı					1
Name	Certification Group	PCode	Mobile	MMID	RC	TCStatus	Log	-
1.1	P2P-REME-45	900000		6699011	00	~		
1.2	P2P-REME-45	900000		6699012	00	~		
1.3	P2P-REME-45	900000		6699013		~		
1.4	P2P-REME-45	900000		6699014	00	~	=	
2.1	P2P-REME-45	900000		6699021	M1	~		
2.10	P2P-REME-45	900000		6699210	08	~		
2.11	P2P-REME-45	900000		6699211		~		•
RRN S	Search		Latest Log					Z
Ente	er RRN	Search	Bank Name :	RRN:931016808762 Status:		AcqId :	109888	
Ente	er RRN	Search	Bank Name :	RRN:931016808762 Status:		AcqId :	109888	

Note:

a. For P2P request, configure DE-120 tag 049 as the last 3 digits of the given MMID.

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b. Beneficiary NBIN: as 1st 4 digit of MMID



Example: for

TC 1.1 \rightarrow DE-120 tag 049 should be 011 & DE-2: NBIN should be 6699 (MMID: 6699011)

TC 1.2→ DE-120 tag 049 should be 012(MMID: 6699012)

					Extended in the second			
Test (ases & Beneficiary	Informati	on					1
Name	Certification Group	NBIN	PCode	Account Number	IFSC	nc	TCStatus	Log
ä	P2A-REME-48	6699	900000	12345678901011	SIM80006699	00	~	
1.2	P2A-REME-48	6699	900000	12345678001012	\$IM80006699	00	x	я
13	P2A-REME-48	6699	000000	12345678901013	\$IM80006699	00	*	н
4	P2A-REME-48	6699	900000	12345678901014	SIM80006699	00	*	
ii -	P2A-REME-48	6699	900000	12345678901021	SIM80006699	M1	~	
10	P2A-REME-48	6699	900000	12345678901210	\$IM80006699	941	~	
2.11	P2A-REME-48	6699	900000	12345678901211	5/MB0006699	No response	*	
RRN S	Search		Latest Log					į
Erti	IC RRN	Search	Bank Name :	RRN 1931012808700	Status I	Acqid: 10	9888	

Note: For P2A request use the NBIN, Account No. and IFSC given in tool for DE-120 tag 62 and 59 respectively. Also same account no. should be in the DE-2 last 10 digits.

Once the test case is completed, the status will be changed.

The user can also see the log for that test case after testing is completed by using log button

After clicking the log button, bank can see the status of the transaction whether pass or fail. If fail, the reason for fail will be shown elaborately, so that bank can do development changes if necessary to modify that error and to fire the same test case again.



Sample view as below.

Bank	Name: AGUSTD LTD Status: Success	Group: P2P-REME-45	Test Case Id : 1.1	Channel : mob	×
OF	RG				
Id	AGUSTD LTD Request	Sim Response		Description	-
0	0200	0210			
2	6699001009979772877	6699001009979772877			
3	900000	900000			
4	00000010000	00000010000			
7	1107071128	1107071128			
11	808800	808800			
12	124128	124128			
13	1107	1107			
18	4814				
22	019				
25	05				
32	109888	109888			
37	931112808800	931112808800			
38		808800			
39		00			
41	AUG72877	AUG72877			
42	AUG919979772877				
43	AUG MOB9979772877IN				
49	356	356			
102	4589652415554741	4589652415554741			
120	001 ,002 ,45	001 ,002 ,45			
	002 ,003 ,MOB	002 ,003 ,MOB			
	045 ,007 ,AYYAPPA	045 ,007 ,AYYAPPA			*

The user can also search transaction using RRN. The user can see the last transaction log under latest log.

RRN Search		Latest Log				2
931112808800	Search	Bank Name :	RRN: 931016808762	Status :	Acqld: 109888	

The status icons i.e., tick, cross, and exclamation across the test case implies that the transaction is executed successfully (as expected), error (not as expected) and yet to execute.

IMPS	S P2P Remitte	er Certification	Bai	nk Node : 🁎 🛛	Bank Info 🗸	🌇 Dashboa	rd 🚿 Manage Tes	t 🔹 Test Ca
Test	Cases & Beneficia	ary Information					_	2
2,7	P2P-REME-45	900000	6699027	success	M5	~		
2.8	P2P-REME-45	900000	6699028		M6	*		
2.9	P2P-REME-45	900000	6699029		08	~		
3.1	P2P-REME-45	900000	6699031	error	91/00	×		
3.10	P2P-REME-45	900000	6699310	yet to ex	ecute	0		
2 11	P2P_REME_45	مەمەمە	6600211		01/08	0	-	



Below screen shows the failure request, response and status.

	ank Name: AXIS Status: Failed			×		NPCI Admin
MAIN SHURATION	ORG V1				🙃 Dashboar	d Manage Reports
🚳 Dashboard 🛛 🖬	AXIS Request	Sim Response	Description			
0	0200					
User Management 2	9485001009000190002					
3	900000				1	
III Manage Banks 4	00000025000					
7	0909080225					
II Manage Reports 11	1 345897					
Download PDF Reports	2 080225				FC	REO/RES
1	3 0909					
Q, TXN Search	5 0909			E	00	
🕼 Settlement Reports	8 6011					
	5		DE 25 Should be procent in Request		00	
	2 900006		- DE-32 Should be present in Request		100	
33	3 900000				00	
3	7 925202345908		RRN DE37 value do not match with value in either DE12 or DE13 or STAN in DE11		00	
4	1 SC000201		- DE-41 first 3 characters Should be[UTI]			
45	2 12345679		- DE-41 first 3 characters Should be[UTI]		91/M0	
43	3 SCO 302 SEC-9 PANCHAKPANCHKULA IN					
49	9 356			-	00	B
11	20 001 ,002 ,45		Element DE-120 tags [059]should be Present			
	002 ,003 ,MOB				87	
	045 ,012 ,bharavi gade				00	(10)
	049 ,003 ,032			-		
	9 925207377926 955	P2A-BENE-	48 - 3.1 2019-09-0913:19:38 2019-09-0913:19:38		00	
	10 925208254830 955	P2A-BENE-	48 - 2.7 2019-09-09 13:34:15 2019-09-09 13:34:15		00	
	Showing 1 to 10 of 48 entries		Previous 1 2 3 4 5 Next			

7.3 Beneficiary Cases

Select Beneficiary cases from the CERT Slots where Bank is acting as Beneficiary and Tool as NPCI Switch and Remitter.

User need to execute the request message from tool and give response for the same according to the test cases.

MAIN NAVIGATION		Manage Tes	t		
🙆 Dashboard		Banks	CERT Slots		
💄 User Management	<	АХВ	Group	Test	Log
🏛 Manage Banks	2		P2A-BENE-48-INET	0	6
🗹 Manage Slot			P2A-REME-48-INET	0	6
Manage Test			Network Testcases	0	6
🔳 Manage Reports	<				

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Select play icon to go to the test cases



After clicking on play button, the below screen will appear with test cases to be executed as per scope of testing

Test (ases and Remitter	Data								1
Name	Certification Group	PCode	RC	Mobile	MMID	Amount	Remark	Status		
13	P2P-BENE-45	900000	.00		9777000	1000	Testing	*	1.	-
1.2	P2P-BENE-45	900000	00	9989663355	9777000	1000	Testing	~	1 >	-
13	P2P-BENE-45	900000	00	9989663355	9777000	1000	Testing	*	1 >	
.1	P2P-BERE-45	900000	MI		9777000	1000	Testing	-	1 >	ш
.10	P2P-BENE-45	900000	51		9777000	1090	Testing	-	12	-
2	P2P-BENE-45	900000	ML		9777000	1000	Testing	-	1 >	
ia .	P2P-BENE-45	900000	142		9777000	1000	Testing	~		
RRN S	Search	_	Latest	Log						
Em	ir RiRis	Search	Bank	Name :	RRN:931911844401	Status :		Acq3d : 1068	99	

Note: For P2P:

Before executing the test case, user need to populate Mobile no., MMID, Amount and Remarks for testing. To do the same, select edit icon and populate Beneficiary details in the respective editable columns.

lest C	ases and Remitter	Data							
lame	Certification Group	PCode	RC	Mobile	MMID	Amount	Remark	Status	Edit
4	P2P-BENE-45	900000	00		9777000	1000	Testing	~	/ F =
2	P2P-BENE-43	900000	00	9989683355	9777000	1000	Testing	-	/ F =
		- Bill da	DC.	Mobile	MNID	Amount	Remark	Status	
Name	Certification Group	PLode		manufactured as					

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Select on submit button (tick) to reflect the details given.





Similarly for P2A testing, before executing the case user need to populate Account number, IFSC code, Amount and Remarks for testing. To do the same select edit icon and populate beneficiary details in the respective editable column.

ist Ca	ses and Rem	itter Data									
ame	Cert Group	PCode	nc:	Account Number	IFSC	Amount	Benark	TOStatus			
3	P2A-BENE-48	900000	90	30397907420	81580000010	1000	Testing	-	1		-
2	P2A-8KHE-48	000000	00	30387807420	87580000039	1000	Testing	-	1		14
3	P2A-8ENE-48	000000	00	30381907420	87580000039	1000	Testing	-	1	•	
1	P2A-8ENE-48	900000	443	30307807820	87580000019	T008	Testing	-	1		10
2	#2A-8KHE-48	000000	643	30387807420	8758000039	1000	Testing	-	1	•	-
1	P2A-869E-48	9999900	942	30387807420	8758000010	1008	Testing	-	1	•	10
4	P2A-8ENE-48	900000	453	30387807620	81580000010	2000	Testing	-	-		*
N Se	arch		_	Latest Log					_	_	-
Comme	deritors.	Canada		Rank Name I	0001001010100	1246 Status	í.	Acatel 1 100000			

Before executing the case user need to populate Account no., IFSC, Amount, Remarks for testing. To do the same select edit icon and populate beneficiary details in the respective editable column.

IMPS	P2A Bene	eficiary	Certifica	tion		Bank Node : 🏘	Bank Info 🛩	B Dashboard	Manage Test - 1	esti
Test	Cases and Re	mitter Dat	a							
Nam	e Cert Group	PCode	RC	Account Number	IFSC	Amount	Remark	TCStatus	Edit	
1.1	P2A/BENE-4	900000	00	30387907420	BTSB0000019	1000	Testing	~	>	
lest Ca	ses and Rem	itter Data		$\overline{\mathbf{n}}$	7					
Name	Cort Croup	PCode	nc	Account Number	IFSC	Amount	Remark	TOStatus		
1.1	P2A-BENE-48	900000	00	30367607420	BT580600019	1000	Testing	*		×

Select on submit button (tick) to reflect the details given.

The user can start test case using test button provided against each test case.

IMPS F	MPS P2A Beneficiary Certification						Bank Info 🗸	🌮 Dashboard	> Manage Test 🕨 Test
Test Ca	ises and Rem	iitter Data	i						
Name	Cert Group	PCode	RC	Account Number	IFSC	Amount	Remark	TCStatus	Test
1.1	P2A-BENE-48	900000	00	30387807420	BTSB0000019	1000	Testing	*	
1.2	P2A-BENE-48	900000	00	30387807420	BTSB0000019	1000	Testing	~	



Below screen shows when user clicks the test button.

					Chatara					
ware subjections	IMPS F	2A Benefic	iary Cer	tification	Process	Started	Node:10 Bank info 🗸	🍰 Dashbo	ard – Manage Test – Ma	nage Certifications + Test Ca
🚯 Dashboard	Test Ca	ses and Remit	ter Data		0	Request Sent				
🗮 Manage Tester					ΙI					
O Manage Test	Name	Cert Group	PCode	RC		Waiting for Response	Amount	Remark	TCStatus	
-	11	P2A-BENE-48	900000	00			1000	Testing	~	/ Þ =
📖 Manage Reports 💎 🤇	1.2	P2A-BENE-48	900000	00	Status I	Process	1000	Testing		/▶≡
	1.3	P2A-BENE-48	900000	00		SBIB0001121	1000	Testing		/ > =
	2.1	P2A-BENE-48	900000	M1		SBIB0001121	1000	Testing	×	/ ► =
	2.2	P2A-BENE-48	900000	Mi		SBIB0001121	1000	Testing		/ ▶ ≡
	2,3	P2A-BENE-48	900000	M2		SBIB0001121		Testing		/ ▶ ≡
	2.4	P2A-BENE-48	900000	M3		SB/B0001121	1000	Testing		/ Þ =

The user can see the status after getting response as shown below.

							1			
- Milli Massingh	IMPS	P2A Benefic	ciary Cerl	tification	Status Process	Started	lođe: 🛊 Bankinfo 🗸	🙆 Dashbo	ard + Manage Test + N	lanage Certifications — Tést Ca
😰 Dashboard	Test Ca	ises and Remit	ter Data		0	Request Sent				
Manage Tester	Name	Cert Group	PCode	RC		Response Received	Amount	Remark	TCStatus	
w manage reac	1.1	P2A-BENE-48	900000	00			1000	Testing	~	/ > =
🗮 Manage Reports 🧹 🤇	1.2	P2A-BENE-48	900000	00	Status S	uccess	1000	Testing		/▶≡
	1.3	P2A-BENE-48	900000	00		SBIB0001121	1000	Testing		/▶≡
	2.1	P2A-BENE-48	900000	M1		SBIB0001121	1000	Testing	×	/▶≣
	2.2	P2A-BENE-48	900000	M1.		SBIB0001121	1000	Testing		/ ► =
	2.3	P2A-BENE-48	900000	M2		SBIB0001121	1000	Testing		/ > =
	2,4	P2A-BENE-48	900000			SBIB0001121		Testing		/▶≡

Once the test case is completed, the status will be changed.

											-
	IMPS P	2A Benefi	clary C	ertification	1		Barris Norde Lake	-	· a summer	Manage Taul	-
Dechiverti	Tente	man and Day	itter Det	-	5.2						
Stat Haragement	Jest C	where served and a	outplex crary								
Maringo Bariko 🦿	Kares	Curt Group	PCode	RC .	Account Number	IFSC	Amount	Remark	TOStatus		
	1.1	P2A-8016-48	300000		2212233322222	808000000		Success	*	1+	
Network Sector 1	5.2	P24-9616-48	300000	.00		808000000	1000	Testing		1.2	-
Manage Test	13	104.0016-48	900000	89		BOBCODDONS	8000	Testing		11	
Harlage Reports (2.1	P2A-8ENE-48	000000	Art I	*******	000000000		Testing te		10	
Settlement Reports	2.2	P24.8010.48	300000	141		805000000	1000	Testing		1.	
	2.5	PD4-8616-48	300000	MO	31020310302222	808000000	3	Testing	¥.		
	2.4	P24-0016-49	300000	1902		8090300000	1000	Testing			-



The user can also see the log for that test case after testing is completed by using log button

The user can also search transaction using RRN. The user can see the last transaction log under latest log as shown in above screenshot.

8. Manage Reports

This module is accessed by Bank Tester where the user can download the following reports.

- 1. Review Reports
- 2. Settlement Reports.
- 3. UAT Scripts

8.1 **Review Reports**

The above screen shows the banks list and their certification slots where the user can select the bank and can download the Review report for both comfort and UAT rounds. Bank has to download the review report and send it to NPCI for screening and to get access with further process.

-	
Manage Repo	rts
Banks	CERT Slots
RPB	Group ReviewReport
	P2A-BENE-48-MOB
	PZA-RENE-48-MOB [8]
	E Manage Repo Banks

8.2 Settlement Reports

This feature is extensively given to banks in UAT round of testing. Below screen shows the settlement reports where the user can directly download the raw and NTSL reports used for banks **day 1** reconciliation purpose.





8.3 UAT scripts

Once after the testing is completed and if the review of test cases executed as per test case sheet and scope of certification if found pass then bank has to download this UAT script and send it back to NPCI with proper bank seal and authorized signature

NPCI			
MANIMUMATION	Manage Repo	rts	
🙆 Dashboard	Banks	CERT Slots	
Manage Tester	RPB	Group	UATScript
• Manage Test		P2A-BENE-48-MOB	
📕 Manage Reports 🛛 🗸		P2A-REME-48-MOB	
Review Report			
Settlement Reports			
A UAT Scripts			

9. Feedback

NPCI has made every effort to include all relevant information in this document. However, it is possible that some specific information you are looking for is not available herewith. If you would like such information to be included in a subsequent version of this book, write to <sirteam@npci.org.in> with the subject line as "IMPS certifications zone User Manual-Feedback".



10. Points worth noting and pre checks to be done

- Bank needs to ensure whitelisting of both GUI and switch connectivity at bank end before commencement of testing
- Advised to use Google chrome browser with version above 70 to access certifications zone tool
- If the given URL is not being accessed, bank has to crosscheck the URL accessing with URL given by NPCI and try doing telnet to the NPCI destination IP with designated port and has to provide a screenshot to NPCI for further assistance
- Email ID given in user name (during login) is exclusively for login purpose, no alerts will be sent (to member banks) to those email ID's
- > Multiple channels for one particular scope at one time will not be allowed
- > Banks to Cross check the scope of testing and slot given in Certifications zone
- With the given login credentials, only one user from bank testing team can login to certifications zone, multiple login with single user credentials is restricted
- Bank has to strictly follow latest IMPS specification, downloadable from dashboard, if the bank is not following the latest spec, then deviation in DE's that were there in transaction will be highlighted in red color for not comply with new specification
- Notifications of scheduled activities will be communicated to member banks on an ongoing basis in the dashboard , Banks has
- While initiating the Remitting transactions, bank has to use specific beneficiary account numbers/mobile numbers with IFSC code/MMID that were anchored on certifications zone tool testing in the given slot
- > Bank coming for support or certification is refrained from initiating bulk transactions
- Transactions with wrong details in DE#2, DE#3, DE#32 and DE#120 will not be parsed and logged in certifications zone tool
- Banks need any further technical assistance or for giving feedback regarding certifications zone tool, can write to <u>sirteam@npci.org.in</u>



S.No	Possible issue	check to be done at bank end
1	Not able to access URL	 IP & PORT whitelisting confirmation from bank network team whether whitelisted at bank end or not Telnet to NPCI destination IP with respective Port and take a screenshot (192.168.xx.xx and port is xxx) still getting issue Contact NPCI team with screenshot taken and whitelisting Confirmation from bank end
2	Not able to connect Switch after accessing URL	 IP & PORT whitelisting confirmation from bank network team whether whitelisted at bank end or not Telnet to NPCI destination IP with respective Port and take a screenshot (192.168.xx.xx and port provided by NPCI) still getting issue Contact NPCI team with screenshot taken and whitelisting Confirmation from bank end
3	Transaction is not getting logged in Tool	Check for Primary data elements getting populated as per latest specification or not DE#2 DE#3 DE#32 DE#120 all tags DE#41, DE#42, DE#43 DE#18, DE#22, DE#25 W.R.T DE#120 Tag 56
4	If transaction is getting logged and tool is throwing error	check the error description and do changes accordingly, make sure to follow latest specification
5	when remitter transaction is not getting logged in tool	when bank is remitter, bank has to use beneficiary details displayed in tool testing slot to get the desired response code
6	when Beneficiary transaction is not reaching bank	bank to cross check whether the account details were properly configured at bank end