Use Case Name	Withdraw Fund	
Brief Description	ATM customer withdraws a specific amount of funds from a valid bank account.	
Precondition	The system is idle. The system is displaying a Welcome message.	
Primary Actor	ATM customer	
Secondary Actors	None	
Dependency	INCLUDE USE CASE Validate PIN.	
Generalization	None	
Basic Flow	**Steps**	
	1	INCLUDE USE CASE Validate PIN.
	2	ATM customer selects Withdrawal through the system
	3	ATM customer enters the withdrawal amount through the system.
	4	ATM customer selects the account number through the system.
	5	The system VALIDATES THAT the account number is valid.
	6	The system VALIDATES THAT ATM customer has enough funds in the account.
	7	The system VALIDATES THAT the withdrawal amount does not exceed the daily limit of the account.
	8	The system VALIDATES THAT the ATM has enough funds.
	9	The system dispenses the cash amount.
	10	The system prints a receipt showing transaction number, transaction type, amount withdrawn, and account balance.
	11	The system ejects the ATM card.
	12	The system displays Welcome message.
	Postcondition	ATM customer funds have been withdrawn.

Bounded Alternative Flows	**RFS Basic Flow 5-7**	
	1	The system displays an apology message MEANWHILE the system ejects the ATM card.
	2	The system shuts down.
	3	ABORT.
	Postcondition	ATM customer funds have not been withdrawn. The system is shut down.
Global Alternative Flows	IF ATM customer enters Cancel THEN	
	1	The system cancels the transaction MEANWHILE the system ejects the ATM card.
	2	ABORT.
	ENDIF	
	Postcondition	ATM customer funds have not been withdrawn. The system is idle. The system is displaying a Welcome message.
Specific Alternative Flows	**RFS Basic Flow 8**	
	1	The system displays an apology message MEANWHILE the system ejects the ATM card.
	2	ABORT.
	Postcondition	ATM customer funds have not been withdrawn. The system is idle. The system is displaying a Welcome message.

Test Case Specification

Name	CallBehavior
Brief Description	The test specification aims to test the behavior of the system under test makes calls to other endpoints.
Precondition (Test Data Specification)	The device A Configuration.NetworkServices.H323.Mode=On The device A Configuration.Conference.AutoAnswer.Mode=On The device B Configuration.NetworkServices.H323.Mode=On The device B Configuration.Conference.AutoAnswer.Mode=On
Tester	None
Dependency	None

Test Setup ▼		
	Name	CreateDevices
	Description	This test setup aims to create two devices in the test environment.

Basic Flow (Test Setup) (Untitled) ▼	**Steps**	
	1	The test system creates a device as A (IP=192.168.0.1,name=epa,username=user,password=password, rootpassword=rootpassword).
	2	The test system creates a device as B (IP=192.168.0.2,name=epb,username=user,password=password).
	Postcondition (Test Oracle)	The device A is created. The device B is created.

Basic Flow (Test Sequence) (Untitled) ▼	**Steps**	
	1	The test system **VALIDATES THAT** the device A Status.Conference.Presentation.Mode == Off
	2	The test system **VALIDATES THAT** the device A Status.SystemUnit.State.NumberOfActiveCalls == 0
	3	**DO**
	4	The device A **INVOKES API** Command.Dial(the device B) to make a call.
	5	**UNTIL** the device A Status.SystemUnit.State.NumberOfActiveCalls > 0
	6	The device A **INVOKES API** Command.Presentation.Start() to start a presentation.
	7	The test system **VALIDATES THAT** the device A Status.Conference.Presentation.Mode == Sending.
	8	The device A **INVOKES API** Command.Presentation.Stop() to stop a presentation.
	9	The test system **VALIDATES THAT** the device A Status.Conference.Presentation.Mode == Off
	10	The device A **INVOKES API** Command.Call.DisconnectAll() to disconnect all endpoints.
	Postcondition (Test Oracle)	The device A Status.Conference.Presentation.Mode == Off The device A Status.SystemUnit.State.NumberOfActiveCalls == 0

Specific Alt. Flow (Test Sequence) "TS1" ▼	**RFS** 1	
	1	The device A **INVOKES API** Command.Presentation.Stop() to stop the active presentation.
	2	**RESUME STEP** 2.
	Postcondition (Test Oracle)	The device A Status.Conference.Presentation.Mode == Off

Specific Alt. Flow (Test Sequence) "TS2" ▼	**RFS** 2	
	1	The device A **INVOKES API** Command.Call.DisconnectAll() to end the active calls.
	2	**RESUME STEP** 3.
	Postcondition (Test Oracle)	The device A Status.SystemUnit.State.NumberOfActiveCalls == 0

Oracle Verification Flow "O1" ▼	**RFS** 4	
	1	The test system **VALIDATES THAT** The device A Status.SystemUnit.State.NumberOfActiveCalls == @Pre The device A Status.SystemUnit.State.NumberOfActiveCalls + 1
	Postcondition (Test Oracle)	None

Oracle Verification Flow "O2" ▼	**RFS** 4	
	1	Tester **VERIFIES THAT** the recent called number is in the call history.
	Postcondition (Test Oracle)	None

Specific Alt. Flow (Test Sequence) "TS3" ▼	**RFS** 7	
	1	The device A **INVOKES API** Command.Presentation.Start() to start a presentation.
	2	**RESUME STEP** 8.
	Postcondition (Test Oracle)	The device A Status.Conference.Presentation.Mode == Sending

Specific Alt. Flow (Test Sequence) "TS4" ▼	**RFS** 9	
	1	The device A **INVOKES API** Command.Presentation.Stop() to stop a presentation.
	2	**RESUME STEP** 10.
	Postcondition (Test Oracle)	The device A Status.Conference.Presentation.Mode == Off

Name	Test_Withdraw Fund	
Brief Description	This test case specification is for testing use case specification that ATM customer withdraws a specific amount of funds from a valid brank account.	
Test Data Specification	The manchine A is idle. The manchine A is displaying a Welcome message.	
HumanTester	Tester	
Dependency	INCLUDE TCSPEC Test_Validate PIN	
Test Setup	Name	Default
Basic Flow (Test Setup)	1	Test System create an ATM as A.
	Test Oracle	The machine A has been created.
Basic Flow (Test Sequence)	1	INCLUDE TCSPEC Test_Validate PIN
	2	Test System selects Withdrawal through the machine A.
	5	Test System VERIFIES THAT the validation that the account number is valid.
	8	Test System VERIFIES THAT the validation that the machine A has enough fund.
	12	Tester VERIFIES THAT the machine A displays Welcome message.
	Test Oracle	Funds have been withdrawn.
Specific Alternative Flows (Test Sequence) TS1	RFS	RFS 8
	1	Tester VERIFIES THAT the machine A displays an apology message MEANWHILE Tester VERIFIES THAT the machine A ejects the ATM card.
	2	Test System VERIFIES THAT the machine A shuts down.
	3	ABORT.
	Test Oracle	Funds have not been withdrawn. The machine A shuts down.
Global Alternative Flows (Test Sequence) TS2	Test System or Tester enters Cancel	
	1	Tester VERIFEIS THAT the machine A ejects the ATM card.
	2	ABORT.
	Test Oracle	The machine A shuts down.