

User Manual

iPECS is an Ericsson-LG Brand



Please read this manual carefully before operating your set. Retain it for future reference.

Revision History

ISSUE	DATE	DESCRIPTION OF CHANGES
1.8	2014-02-28	Applied new BI

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1. iPECS CCS IVR

1.1 Pre-Installation Requirements

The requirements for CCS IVR are divided into two parts:

1.1 System Requirements and

1.2 Installation of CCS Desk and Dialogic HMP

1.1.1 System Requirements

The CCS IVR Server must meet the following minimum specifications.

CCS IVR Recommended Hardware						
Install Scope	Up to 100 Calls Per Day	Up to 300 Calls Per Day	Up to 600 Calls Per Day	More than 600 Calls Per Day		
Dedicated Server Required	Yes	Yes	Yes	Yes		
Dedicated SQL Server Required	No	No	No	No		
Virtual Server Possible	Yes	Yes	Yes	Yes		
Operating System	Windows 7 Professional or Windows Server 2008 R2	Windows Server 2008 R2	Windows Server 2008 R2	Windows Server 2008 R2		
CPU	l3 2120 3.3GHz	l3 2120 3.3GHz	l3 2120 3.3GHz	l3 2120 3.3GHz		
RAM	4 GB	4 GB	4 GB	8 GB		
Disk Space	40 GB	40 GB	100 GB	200 GB		

1.1.2 Installation of CCS Desk and Dialogic HMP

Before CCS IVR can be configured, the installation of CCS Desk must be completed (or included). Please consult *CCS Desk User Manual* Section 2 and Section 5 for more information.

1.2 Installation

1.2.1 CCS IVR Server

This is for a new install of CCS IVR on a Single Server

Step 1 - Run the **CCSInstaller** application with Administrator privilege.



Step 2 - If **Microsoft .NET Framework 4.0** is not already installed, you will receive the message to install it \rightarrow Select **Yes**.



The installation may take a few minutes to complete.

<u>NOTE</u>

You will be prompted to **reboot** your system once the install completes. Please ensure you do the reboot before continuing with the install.



Step 3 - Once you log back in the CCS Installation will continue and you will receive the Option to Install the Client or Server \rightarrow Select **Multi-Server Installation** \rightarrow Click **Forward**.



Step 4 - At the next screen you will need to enter your CCS license code and PABX details.

Software Registration Code – the CCS license package code.

PABX IP Address - the IP address of the iPECS MFIM.

PABX Password – the administration password for iPECS.

ccs	Enter Software Registration Code			,
	Enter PABX IP Address 10.10.10.1 Enter PABX Password]		
ERICSSON CERC			<u> </u>	64
		Back	Forward	Kancel

Step 5 - Choose the **CCS IVR components** to be installed \rightarrow Click **Forward**.



Step 6 - Complete the software registration form.

The iPECS serial number that will be linked against the license is shown at the end of the form. \rightarrow Click **Forward**.

CCS	Contact Name Email Address				
	Company Name				
	Web Page				
	Street				
	Suburb				
	State				
	Country				
ERICSSON		l			
Got package details, loading			ack	Forward	🗰 Cancel

CCS	State Country		
	Phone Number		
	Region/City		
	PostCode		
	Reseller Name		
222 1	Pabx Serial Number	000DA4F403010680	
ERICSSON CLG			•
		🗢 📫	*
Got package details, loading		Back <u>Forward</u> Ca	ancel

Step 8 - Read and agree to the **CCS Software License Agreement** \rightarrow Click **Forward**.

CCS	Software Licence Agreement
	IMPORTANT - YOU SHOULD READ THIS AGREEMENT CAREFULLY BEFORE USING THIS SOFTWARE. BY VERIFYING AND USING THE SOFTWARE, YOU INDICATE YOUR ACCEPTANCE OF THE FOLLOWING SOFTWARE LICENCE AGREEMENT.
ERICSSON .	This is a Software licence agreement between you (you' or 'Licensee') and LG-Ericsson Co., Ltd. ('LG-Ericsson') for use of the Software. This is not an agreement for sale of the Software. This is a Licence Agreement only. Please read the terms and conditions of this agreement before using the Software. By varifying and/or using the Software, you are agreeing to be legally.
Got package details, loading	Cancel

Step 9 - Confirm the **installation path** for the CCS program files \rightarrow Click **Forward** to start the installation.



Step 10 - The IVR installation requires configuration to the CCS MSSQL Server \rightarrow Select Yes.



 \rightarrow Enter the correct settings to connect to the CCS MSSQL Server.

IVR Database Installation							
Authentication							
C Window	s Authentication						
SQL Ser	ver Authentication						
L							
Server name:	localhost						
User name:	sa						
Password:	******						
	Continue Cancel						

Authentication – the authentication mode for SQL Server. Always use SQL Server Authentication unless a trusted server connection has been configured on the SQL Server.

Server name – the machine name or IP address of the database server machine.

User name – the SQL username.

Password - the password to SQL account

 \rightarrow Click **Continue** \rightarrow You will receive confirmation that the database has been successfully created.



Step 11 - A **reboot** might be required when the installation has finished \rightarrow Click **Yes**.

Step 12 - Run the IVR Configuration from Start \rightarrow All Programs \rightarrow CCS \rightarrow CCS IVR \rightarrow Configuration.



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Step 13 - There are 2 tabs in CCS IVR Configuration that needs to be configured.

Script/Channel Mapping

Script to channel mapping defines which script will run on which Dialogic HMP channel installed on the CCS IVR Server. The correct analog / SIP extension number connected with the ports must also be configured here.

CCS Configuration				
Script/	Channel Mapping Server Configuration			
	Channel	Extension	Number Of Rings	Script
•	1		3	IVRSampleScript 🗾
	2		3	IVRSampleScript
	3		3	<nomapping></nomapping>
	4		3	<nomapping></nomapping>
			Defect	
			Herresh	ApplyLancel

Server Configuration

CCS Configuration				_ 🗆 🗡
Script/Channel Mapping Server Configuration				
CCS Server Details CCS Server Hostname localhost CCS Server Port 9014 CCS Server Type CCS Server Type CDialogic Core Server HMP Core Server				
	Refresh	Save	Apply	Cancel

CCS Server Hostname & Port – the setting for CCS IVR to connect with the CCS Desk Server. Port can be configured to either 9014 or 9011. It is recommended to set the port as **9014**.

CCS Server Type – select **HMP Core Server** when using Dialogic HMP. Dialogic Core Server is used when CCS IVR is using the Dialogic Analogue board.

1.2.2 Configure CCS Desk

1.2.2.1 CCS IVR

Step 1 - Open **CCS Desk Manager** → Select **Options** → Select **Configure**.

Step 2 - Go to the **Configuration** tree \rightarrow Go into the **CCS IVR** tab \rightarrow Click **Add** button to create a new CCS IVR integration profile.

Administration	CCS IVB Server	
Integration		
Configuration		
	Add	
CCS Call Dialer Settings		
CCS Chat		
CCS Console		
- CCS IVR		
CCS Record Servers		
Devices		
PABX Connections		
- Queue Assignments		
Services		
SMTP		
System		
- , Walidation	M0157	
Y GROCION		

Step 3 - **Double click** on the created profile \rightarrow **Complete** the configuration.

CCS	CCS IVR Server Link Editor 🛛 🗙					
Name		IvrSvr 27793	OK			
		Extension				
1	101 (101	101 (101 - TAPI PABX)				
1	102 (102	102 (102 - TAPI PABX)				
	Add					
н М0169	9					

Name – The name of the profile.

CCS IVR ID – The license number of CCS IVR. This ensures that the correct messages go to the correct CCS IVR.

Extension – The list of SIP devices connected to CCS IVR.

1.2.2.2 Announcement Server

Step 1 - Open **CCS Desk Manager** → Select **Options** → Select **Configure**.

Step 2 - Go to the **Configuration** tree \rightarrow Go into the **Announcement Servers** tab \rightarrow Create an **Announcement Server profile** to integrate Dialogic HMP with the PBX.

Please consult CCS Desk User Manual Section 6.3.1.1 for detailed information on each setting.

- Administration		Announcement Server		Dialogic Port	PABX	Device	Direction
Integration	1	HMP	1	1	TAPI PABX	101	Both
Configuration		Add	1	2	TAPI PABX	102	Both
Announcement Servers			1	3	TAPI PABX	103	Both
			-	4	TAPI PARX	104	Both
CCS Chat			-	Add		101	2000
CCS Console				Add]		
- CCS IVR							
CCS Record Profiles							
CCS Record Servers							
Devices							
PABX Connections							
Queue Assignments							
Services							
SMTP							
System	1		1				
····· Validation							

Step 3 - Double click the Announcement Server to view the Announcement Server Configuration window.

нмр					×
Announcement Server HMF	P DTMF	Tones In-Ba	and		
HMP SIP Ports		Port	Number	Spare	
		1	101	No	
SIP PABX IP Address		2	102	No	
1 . 1 . 1	. 1	3	103	No	
		4	104	No	
Host IP Address to use	1				•
Copy Password from first	t port to all				
Set All Passwords to e	xtension				
number					
			OK	Cancel	

The important settings are highlighted:

a) **HMP**

- i. HMP SIP Ports must be enabled.
- ii. Requires Spare Channel must remain disabled.
- iii. Double click on each port and configure the SIP registration settings.

HMP Port Editor		×
HMP Port	1	
'Spare Port'	Г	
SIP Device	101	
SIP Username	101	
SIP Password	101	
	OK Cano	el

1.2.2.3 HMP Services

Dialogic HMP requires two additional services to be installed.

Step 1 - Open CCS Desk Manager → Select Options → Select Configure.

Step 2 - Go to the **Configuration** tree \rightarrow Go into the **Services** tab \rightarrow **Right click** on **CCS Desk HMP Gateway** \rightarrow Select **Configure Service** \rightarrow Select **Install** \rightarrow Check the **Startup Mode** is set to **Automatic**. Do <u>not</u> start the service.

Administration	Service	Status	Mode	Profile	Logs
Integration	CCS Desk Server	Started	Automatic		Disabled
Configuration	CCS Desk PBX Server	Started	Manual	TAPI PABX	Disabled
Announcement Servers	CCS Report Engine	Started	Automatic		
CCS Call Dialer Settings	CCS Recording Server		Manual	* required *	
- CCS Chat	CCS Desk HMP Gateway				Disabled
	CCS Desk HMP Service	Settings for CC	IS Desk HMP Gatew	vay guired *	Disabled
	CCS SMS Server	Configure Serv	/ice	quired *	
CCS Record Servers	CCS Dashboard Gateway	Started	Automatic		
Devices	Dialogic HMP		Manual		
- PABX Connections	TAPI	Started	Manual		
Queue Assignments	Windows IIS (www Publishing Se	ervice Started	Automatic		
Services SMTP System Validation					

🔅 CCS Desk HMP (Gateway		🔅 CCS Desk HMP (Gateway	
Service Name	HmpAnnounceGateway		Service Name	HmpAnnounceGateway	
File Path	C:\Program Files (x86)\CCS\CCS Desk \HmpAnnounceGateway.exe		File Path	C:\Program Files (x86)\CCS\CCS Desk \HmpAnnounceGateway.exe	
Install Status	Not Installed	Install	Install Status	Installed	Uninstall
			Startup Mode	Automatic	•
			Current Status	Stopped	Start
		Close			Close

Step 3 - Right click on CCS Desk HMP Service \rightarrow Select Configure Service \rightarrow Select Install \rightarrow Check the Startup Mode is set to Automatic. Do <u>not</u> start the service.

- Administration	Service	Status	Mode	Profile	Logs
Integration	CCS Desk Server	Started	Automatic		Disabled
Configuration	CCS Desk PBX Server	Started	Manual	TAPI PABX	Disabled
- Announcement Servers	CCS Report Engine	Started	Automatic		
	CCS Recording Server		Manual	* required *	
	CCS Desk HMP Gateway		Automatic		Disabled
	CCS Desk HMP Service		Motiostallad	1* required *	Disabled
CCS Record Profiles	CCS SMS Server	Settings for CC	S Desk HMP Service	required *	
	CCS Dashboard Gateway	Configure Serv	ce		
Devices	Dialogic HMP		Manual		
- PABX Connections	TAPI	Started	Manual		
Queue Assignments	Windows IIS (www Publishing Ser	rice Started	Automatic		
Services SMTP System Validation	Logs C:\]		🗍 Show Disa	abled Services

CCS Desk HMP :	Service		🔅 CCS Desk HMP	Service	_ 🗆 ×
Service Name	HmpLauncher		Service Name	HmpLauncher	
File Path	C:\Program Files (x86)\CCS\CCS Desk \WatchdogLauncher.exe		File Path	C:\Program Files (x86)\CCS\CCS Desk \WatchdogLauncher.exe	
Install Status	Not Installed	Install	Install Status	Not Installed	Install
		Close			Close

Step 4 - Go to the new **HMP Gateway** tab \rightarrow Configure the correct path to the greeting files.

Administration	Service	Status	Mode	1	Profile	Logs
Integration	CCS Desk Server	Started	Automatic			Disabled
Configuration	CCS Desk PBX Server	Started	Manual	TAPI P	PABX	Disabled
Announcement Servers	CCS Report Engine	Started	Automatic			
	CCS Recording Server		Manual	* requ	ired *	
	CCS Desk HMP Gateway	C-112 (1	Disabled
CCS Console	CCS Desk HMP Service	Settings rol	r CCS Desk HMP Gate	eway	ed *	Disabled
CCS Record Profiles	CCS SMS Server	CCS SMS Server			red *	
CCS Record Servers	CCS Dashboard Gateway	Start CCS [Desk HMP Gateway			
Devices	Dialogic HMP		Manual		_	
PABX Connections	TAPI	Started	Manual			
Queue Assignments	Windows IIS (www Publishing Se	rvice Started	Automatic			
Services SMTP System Validation	Logs C:\				Show Disa	abled Services

HMP Gateway		×
Announcement Path	C:\Announce OK	Cancel

Step 5 - Go to the HMP Service tab \rightarrow Ensure the correct announcement server profile is selected.

	Dorvico	Diatus	Mode	Profile	Logs
tegration	CCS Desk Server	Started	Automatic		Disabled
onfiguration	CCS Desk PBX Server	Started	Manual	TAPI PABX	Disabled
Announcement Servers	CCS Report Engine	Started	Automatic		
	CCS Recording Server		Manual	* required *	
	CCS Desk HMP Gateway		Automatic		Disabled
	CCS Desk HMP Service	Settings for CCS De	ack HMD Sarvica	* required *	Disabled
···· CCS Record Profiles	CCS SMS Server	Settings for CCS De	SSKTIMP DEI VICE	* required *	
CCS Record Servers	CCS Dashboard Gateway	Configure Service			
Devices	Dialogic HMP	Start CCS Desk HMI	P Service		
PABX Connections	TAPI	Started	Manual	_	
Queue Assignments	Windows IIS (www Publishing :	Service Started	Automatic		
SMTD					
System					

Select HMP Announce	ement Server	×		
Server Selection	HMP	•		
	ОК	Cancel		

Step 6 - Go to the Services tab \rightarrow Start CCS Desk HMP Gateway and Start CCS Desk HMP Service.

- Administration	Service	Status	Mode	Profile	Logs	E.
Integration	CCS Desk Server	Started	Automatic		Disabled	71
Configuration	CCS Desk PBX Server	Started	Manual	TAPI PABX	Disabled	
Announcement Servers	CCS Desk Announcement Server		Not installed	HMP	Undefined	
	CCS Report Engine	Started	Automatic			
CCS Chat	CCS Recording Server		Manual	* required *		
	CCS Desk Email Service		Not installed	* required *		
	CCS Desk HMP Gatewood CCS Desk HMP Servic Settings	CCS Desk HMP Gateway CCS Desk HMP Servic Configure Service		* required *	Disabled Disabled	
PABX Connections	CCS Desk Gateway Start CC	IS Desk HMP Gatew	vay ed			
Services	CCS SMS Server		Manual	* required *		_
SMTP	CCS Desk Web Gateway		Disabled			
System	CCS Dashboard Gateway	Started	Automatic			
Validation	Dialogic HMP	Started	Manual			
	Logs C:\			🔽 Show Disa	abled Services	

	Com des		Chabus	1		Duefile	1	-
	Service		Status		Mode	Profile	Logs	_^
Integration	CCS Desk Server	CCS Desk Server		arted Automatic		Disabled		
Configuration	CCS Desk PBX Server		Started	Manua	al	TAPI PABX	Disabled	
- Announcement Servers	CCS Desk Announcem	ent Server		Not in:	stalled	HMP	Undefined	
	CCS Report Engine		Started	Autom	atic			
CCS Chat	CCS Recording Server		Mapual	* required *				
	CCS Desk Email Servic	e		Not in:	stalled	* required *		
CCS Record Profiles	CCS Desk HMP Gatew	CCS Desk HMP Gateway		Automatic			Disabled	
	CCS Desk HMP Service	-	ſ.	Autom	etic	* required *	Disabled	
Devices	CCS Desk Lookup Er	Settings for	r CCS Desk HMP S	ervice				
- PABX Connections	CCS Desk Gateway	Configure S	Service		alled			
- Queue Assignments	CCS SMS Server	Start CCS [esk HMP Service			* required *		
SMTD	CCS Desk Web Gatew	ay		Disable	ed			
System	CCS Dashboard Gatev	vay	Started	Autom	atic			
Validation	Dialogic HMP		Started	Manua	al			-
·	Loas C:\					Show Disa	bled Services	

2. Configuring CCS IVR

2.1 Using CCS Script Designer

CCS IVR includes a designer tool so that those businesses that wish to can take on simple administration tasks and changes and even design their own complex IVR scripts and features.

Multiple scripts can be designed and opened simultaneously and saved to the SQL database for recall or modification. Each function dialog box contains powerful tabbed controls that can be configured to meet IVR requirements.

The system automatically draws connecting lines and arrows to show the systematic call flow of the design in the tool.

Simple to recognize icons with icon descriptions and/or step functions can be toggled on/off for audit and testing purposes.

The Script Designer can be accessed from the Start Menu shortcuts or from the CCS IVR Control Panel.



2.2 The Designer Tools

N	Pointer	The tool to move steps around the designer.
if?	If Expression	This function enables a script to vary by evaluating two variables. Example if the caller has a balance due the system will take a different action. The evaluation can be any standard SQL Where clause.
	Say	 The Say function enables the CCS IVR user to Have the system speak the typed text (utilizes Text to Speech). The Output may contain session variables. Numbers - All types of number formats may be used by the user (digits, amounts in dollars, amounts in cents, numbers with decimal points, dates, dates and time, etc.) Accepts DTMF (Dual-Tone Multi-Frequency) tones for routing. Recorded sound files may be used instead of TTS when desired.
	Record	 The Record function enables the user to record audio and save it to the CCS IVR Server for integration into other applications. A recording finishes when: A user-settable timeout is reached. A key that has a path defined for it is pressed. The device detects silence for a specified period of time. The caller hangs up. System detects a dial tone. The record function is usually used to allow remote recording of a file which is used by other parts of a script or other scripts. Messages left by callers may also be recorded in a Voicemail box.
3	Ask Number	 The Ask Number function allows the user to play sound files and save the number sequence entered by the caller. It verifies the numbers length and passes a script-based verification check. Multiple sound files may be selected to play simultaneously. Number entered can be of any length.
x=y	Assign Variable	Copies a value to CCS Desk Server so it can be accessed by CCS Desk client.
	Make Call	This standard component enables the user to dial out to any telephone number to start a conversation. It also allows the user to play messages or send DTMF tones once the call has been answered.

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	Hang Up Call	Ends the call.
	Database Select	 This database module enables the user-based access to the database and grants rights to modify the information in the database. The database select also features paging of a large dataset. Data can be retrieved or updated in the following data sources: Microsoft SQL Server Oracle MySQL Other ODBC data sources
>	Database Update	The Database Update function allows the script to update remote ODBC databases. Update statements may contain variable information stored from previous steps.
	Email	The Email function sends an email to a specific recipient. The TO, CC, BCC, SUBJECT and BODY may contain plain text or the values of any session variables.
	Jump Script	This function directs the flow of the script to another script, which will return back to the next step once the script jumped to is completed.
	Timer End	Notes the time the call ended.
	Timer Start	Notes the time the call started and puts it into a variable.
	Transfer to CCS Q	Transfers a call to a CCS Q.
SMS	Send SMS	The Send SMS function sends an SMS to a specific recipient.
PayPal	Payflow Payment	Connects with Payflow (PayPal) payment gateway to make financial transactions.
List	Alert Member List	This database function allows for each of the results of a select statement to launch a new instance of the "success" transition. It also has a user interface to easily develop a list of members.
9	Alert Monitor	This function is a continuously running function that performs the "success" transitions at a user defined interval.
1	Make New Call	This component allows for a new call to be initiated, it performs the call on a successful result of a user defined database select statement.

I	Database Result	This Database module allows for user defined transitions based on the field results from a user defined database select statement.
1	With Row	This component allows for user defined transitions base on the field results of the previous database select statement.
123	Multi Step Launcher	This component allows for two or more steps to be launched simultaneously each step is run in an individual thread making it independent.

2.3 Scripting Example

To get started open the designer and choose *File* \rightarrow *New*. This will automatically insert a "Step Box" of the type "Say" into the design panel. The *Say Step* is often the Step which works best at the beginning, but any step can be set as the start step.



The Configuration Screen

Each type of Step has a configuration screen with custom functionality specific to that Step. In the top right of each Step Box you will find an *ellipsis* [...] which can be used to open the configuration screen by clicking on it.



Standard to all configuration screens are the "General Settings" tab, "Transition" tab and the "Notes" tab.

Special Settings

Staying with the <Say 1> Step, open the configuration screen and go to the "Say Settings" tab and you will find a number of textboxes, any textbox that is coloured yellow has some special functionality. As an example of this, type *\${* (dollar sign + open curly bracket) and a drop down box will appear.

<say 1=""> - Say Configu</say>	ration	×
General Settings Say S	Settings Transition Notes	
Sound File:		
TTS:	NOW	
🔽 Use Default		
Timeout (seconds):	2	Number of Replay If No Response: 0
		OK Cancel

The values in this drop down box will dynamically grow with the results of Steps that are used within the Step Stream that you are developing. These values can be used in any text box that is coloured yellow with the following syntax: *\${VariableFromDropDownBox}*

<say 1=""> - Say Configu</say>	ration 🗙
General Settings Say 9	Settings Transition Notes
Sound File:	
TTS:	You have called The ABC Sales Company. For sales press one. For accounts
🔽 Use Default	press two. To lodge a payment press three.
Timeout (seconds):	2 Number of Replay If No Response: 0
	OK Cancel

The *Say Step* has two yellow text boxes with the second box type in some text which will be spoken when an incoming call is first answered (as this is the first step) an example might be:

"You have called The ABC Sales Company. For sales press one. For accounts press two. To lodge a payment press three."

With the *Say Step* you could record a sound file which could be used in place of the typed text, to reference a sound file enter an address to the file or use the ellipsis button to browse your directory system for the file.

Transitions

The Transition tab is where you will tell the script what to do when an input from a caller is detected, if the "Next Step" column of the transition list is left empty, the call will finish when that transition is detected, this is the same with all Step Transitions.

 Transition When	Next Step	
Digit 1	<none></none>	
Digit 2	<none></none>	
Digit 3	<none></none>	
Digit 4	<none></none>	
Digit 5	<none></none>	
Digit 6	<none></none>	
Digit 7	<none></none>	
Digit 8	<none></none>	
Digit 9	<none></none>	
Digit 0	<none></none>	
Digit *	<none></none>	
Digit #	<none></none>	
Timeout	<none></none>	
Fail	<none></none>	

Before you can choose what Steps to transition to we must design some more steps.

Adding Further Steps

To create subsequent steps click on a step icon from the tool box docked to the left of the designer and then click onto the design panel where you want the step to appear. Do this now for the *Make Call* Step.



Repeat this for a second *Make Call* Step, and then the same again for the *Ask Number* Step.

CCS Script Designer - [H	Hello World]			
🛃 File Step Edit	View Window Help			
1×12 4×1	X 🗈 🗈 🗌 🎽 🗙 😣	😂 🛃 🕼 😤		
Steps Tool				
if?	<say 1=""></say>			
		Say		
3 x=y				
	<make 1="" call=""></make>	<make 2="" call=""></make>	KA	sk Number 1>
1	2	Make Call	Make Call	Ask Number

Reopen the Configuration screen for the <Say 1> Step and go to the Transition tab, in the next Step column for "Digit 1" choose <Make Call 1> from the drop down list, for "Digit 2" choose <Make Call 2> and for "Digit 3" choose < Ask Number 1>.

iy 1> eneral	- Say Configuration	on Notes	
	Transition When	Next Step	
	Digit 1	<make 1="" call=""></make>	
	Digit 2	<make 2="" call=""></make>	
9	Digit 3	<ask 1="" number=""></ask>	
	Digit 4	<none></none>	
	Digit 5	<none></none>	
	Digit 6	<none></none>	
	Digit 7	<none></none>	
	Digit 8	<none></none>	
	Digit 9	<none></none>	
	Digit 0	<none></none>	
	Digit *	<none></none>	
	Digit #	<none></none>	
	Timeout	<none></none>	
	Fail	<none></none>	

In the <Make Call 1> configuration screen, enter some text into the TTS text box e.g. *"Transferring you to Sales"*. Then in the "Number to Dial" text box enter the extension number of the Sales department.

<make 1="" call=""> - Make</make>	Call Configuration
General Settings Make	Call Settings Transition Notes
Play File:	
Play TTS:	Transferring you to Sales.
Use Default	
Retries:	0
Pause:	0
Number To Dial:	
	OK Cancel

Do the same for <Make Call 2> to transfer the caller to the Accounts Department.

With the <Ask Number 1> Step on the "Ask Number Settings" tab of the configuration screen enter text to be spoken into the TTS text box e.g. *"Please enter your Invoice number followed by the hash key."*

<ask 1="" number=""> - Ask Nu</ask>	ımber Configuratio	n	×
General Settings Ask Nur	nber Settings Ask Nu	umber Error Settings Variables Transition Notes	1
Ask Caller Sound File: Ask Caller TTS: Vise Default	Please enter y	your invoice number followed by the hash	 key.
Maximum:	1	Number of Replay If No Response:	0
Timeout (seconds):	3	Terminating Dtmf:	None
		<u> </u>	Cancel

In the "Maximum" text box enter the number of digits in the invoice, let's say 8. In the "Terminating DTMF" dropdown box select "Hash" and in the "Number of replay if no response" text box enter 3. This will validate that the caller inputs 8 digits followed by the hash key and give the caller three attempts to get it right.

On the "Ask Number Error Settings" tab enter some text to speak if the caller enters an incorrect number of digits.

You will notice that the configuration screen has a "Variables" tab with a text box called "Number Entered" and a variable name in the text box of "n_AskNumber1".

<ask 1="" number=""> - Ask Number Configuration</ask>	×
General Settings Ask Number Settings Ask Number Error Settings Variables Transition Notes	
Number Entered: n_AskNumber1	
ОК	Cancel

Now create two more steps another *Make Call* Step and another *Ask Number* Step, in the transitions list of <Ask Number 1> assign <Make Call 3> to the "Fail" and "Timeout" transitions and <Ask Number 2> to the "Success" transition. Configure the <Make Call 3> Step with appropriate settings.

<ask nu<="" th=""><th>ımber 1> - Ask Number Configuration</th><th>1</th><th></th><th>×</th></ask>	ımber 1> - Ask Number Configuration	1		×
General Settings Ask Number Settings Ask Number Error Settings Variables Transition Notes				
	Transition When	Next Step		
	Success	<ask 2="" number=""></ask>		
	Timeout	<make 3="" call=""></make>		
I	Fail	<make 3="" call=""></make>		
			04	

In the <Ask Number 2> Step we want to ask the caller for their 16 digit Credit Card Number. This is configured very similarly to the <Ask Number 1> Step.

Create another **Ask Number** Step which we will use to ask the caller for the 4 digit credit card expiry date.

Now one more *Ask Number* Step to ask the caller the amount of the payment they wish to make – be sure to instruct the caller to enter the amount as digits only e.g.: \$123 is simply entered as 123.

The "Fail" and "Timeout" transitions of <Ask Number 2>, <Ask Number 3> and <Ask Number 4> can all be assigned to the <Make Call 3> Step as in <Ask Number 1> Step.

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Now create an *Email Step* and transition <Ask Number 4> "Success" to this. The following is an example of how <Send Email 1> could be configured and uses the information collected from the caller:

Sender: Sales@abcsales.com Sender Name: Sales Receiver: accounts@abcsales.com Subject: payment received Message:

The following payment has been received for Invoice Number \${n_AskNumber1} on credit card number \${n_AskNumber2} with expiry date \${n_AskNumber3} for the amount of \${n_AskNumber4}, please process immediately.

<send 1="" email="">-:</send>	Send Email Configuration
General Settings	Client Settings Server Settings Transition Notes
Sender	sales@abcsales.com
Sender Name:	Sales
Receiver:	accountsRabcsales.com
CC:	
BCC:	
Subject:	payment received
Attachment:	
	Delete Attachment After Sending
Message:	The following payment has been received for Invoice Number \${n_AskNumber1} on credit card number \${n_AskNumber2} with expiry date \${n_AskNumber3} for the amount of \${n_AskNumber4}, please process immediately.
	Test Send OK Cancel

Be sure to fill in the "Server Settings" tab correctly with the SMTP details.

<send 1="" email=""> - Send Email Configuration</send>	X
General Settings Client Settings Server Settings Transition Notes	
🗖 Use Default	
SMTP Server: mail.abc.com	
SMTP Port: 25	
Authenticate	
Username: demo	
Password: *****	
	Test Send OK Cancel

This is roughly how your script designer should look right now.



The above example demonstrates some of the CCS IVR Designer scripting capabilities, there is of course many more, some of which may require training and/or database knowledge.

The contents of this document are subject to revision without notice due to continued progress in methodology design and manufacturing. Ericsson-LG Enterprise shall have no liability for any error or damage of any kind resulting from the use of this document.

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