AUTOMATIC CALL DISTRIBUTION

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AUTOMATIC CALL DISTRIBUTION

1 Overview

The Automatic Call Distribution (ACD) service of CS1000 can build up the stand-alone call center and support call center composed with the Computer Telephony Integration (CTI).

This manual contains the call center construction using ACD service provided by the CS1000 system and the call center management.

This manual covers the following topics:

- **q** Chapter 1. Overview describes signs and glossaries used in this manual and the ACD specifications.
- **q** Chapter 2. ACD Function describes the various functions provided by the ACD service in the CS1000 system.
- **q** Chapter 3. ACD Management describes how to set up and use the ACD management of ACD data generation program.
- **q** Appendix includes cases of provisioning ACD services and the related data generation method for the beginners in used of ACD services of the CS1000 system.

1.1 Signs

- q Menu: ACD Management-Split Data
- q Menu Item: Split Queue DN
- q DKTU Button: TRANS/PGM button
- q Reference: [Ref.1.1]

1.2 Glossaries

- q ACD (Automatic Call Distribution)
- q AGENT Counselor
- q CCV (Call Control Vector) ACD I/B call processing procedure
- q DN (Directory Number) Number of a telephone concept
- q PILOT DN ACD representative number
- q QUEUE ACD I/B call queue. One queue is present per ACD group.
- q SPLIT ACD Group
- q I/B (Inbound) Call Incoming call
- q O/B (Outbound) Call Outgoing call
- ACD I/B Call Incoming call by dialing ACD representative number (Pilot DN)
- q Non ACD I/B Call –Incoming call by directly calling an agent
- q ACW (After Call Work) Arrangement after completing a call

1.3 ACD System Specifications

Specifications	Capacity
Configuration Agents (Log-on ID)	600
Active Agents	200
Splits (Groups)	50
Agent Per Split	100
Queue Depth Per Split	200
Pilot	600
Trunk Routes/Groups	50
Priority Levels	100

2 ACD Functions

2.1 Abandon Call Search

Description

This function does not distribute an abandoned call under waiting in the queue to an agent.

How to Use

Data Generation

2.2 Analog ACD Position

Description

This function allows a SLT (Single Line Telephone) to be used as telephone for an agent.

	How to Use	
1.	Registration of telephone for an agent	

Assign the SLT for an agent (SLT-Agent) [Ref. 3.2.10]

2. Logon

OFF-HOOK + *462 (Note 1) + Logon ID (Note 2) + ON-HOOK

3. Logoff

OFF-HOOK + *462 (Note 1) + (Logon ID) (Note2) + ON-HOOK

4. Registration/Cancellation of the pause mode OFF-HOOK + *463 (Note 4) + ON-HOOK

Data Generation

- 1. Function code for Logon/Logoff on the SLT-Agent OMS - DATA 2.1 System Numbering Plan <u>SLT Log ON/OFF Code</u> (*462)
- 2. Confirm the Logon ID [Ref. 3.2.5]
- 3. Enter the Logon ID following the option in the state of Logoff *ACD Management - Split Data* <u>Use ID on Logoff</u>
- Function code to register/release the pause mode on the SLT-Agent OMS - DATA 2.1 System Numbering Plan <u>SLT Not Ready Code</u> (*463)

2.3 Announcement in Queue

Description

This function allows an announcement to be sent for call(s) waiting in queue in maximum 5 steps.

How to Use

Data Generation

1. Assign announcement steps for call(s) waiting in the queue according to ACD group (Split).

[ACD Management] Split Data [Ref. 3.2.1]

Step of Announcement: 1~5

- 2. Assign a queue-waiting announcement to apply step by step. [ACD Management] Split Tone [Ref. 3.2.2]
- Assign a port and time to apply an announcement to a call waiting in the queue.
 [OMS] DATA 2.4 System Tone Parameter

ACD Service Tone 1 ~ ACD Service Tone 20

- 4. The queue-waiting announcement using VPM token can be assigned as following methods.
 - Assign the time for the queue-waiting announcement in the above step 3.
 To send N time(s) for VPM token, assign VPM token length (sec) x N times with the sending time.
 - (2) Assign the VPM token to replace the system tone.[OMS] DATA 15.1 Voice ToneACD Service Tone 1 ~ ACD Service Tone 20
 - (3) Assign the port to send VPM token. [OMS] DATA 15.2 VPM Token

Assign the port and the token length (sec) to send an announcement based on the token ID.

(4) Assign the sending mode for VPM token.
 [OMS] DATA 2.6 System Feature Option
 Voice Tone Access Type: Interval / Real

Interval

This mode is to notify a VPM port of the start of the token as an event while

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transmitting a token to a VPM port to assigned to each VPM token. If an incoming call is routed to the Queue, the system basic tone is given and VPM perceives it as an event. Then the VPM send a VPM token. The number of calls to send a VPM token is not limited. However, the

announcement will be delayed for as long as the max duration of the token.

– Real

This mode is the way that seizes an idle one out of VPM ports assigned to the VPM token. Calls to send the VPM token is limited to as many ports assigned to the VPM token. If any idle port is not fond, the system basic tone will be sent.

2.4 Assistance

Description

This function is for an agent to call a specified subscriber for assistance in midconversation.

How to Use

- 1. Press the ASSISTANCE button (Note 1) in mid-conversation.
- 2. The counterpart will be placed on hold in the middle of conversation.
- 3. The ring signal will be sounded on the assistance subscriber (Note 2).
- 4. Afterward, the steps are the same as other transfer function.

If the assistance subscriber is busy, the agent will get to hear a busy tone. In this case, if you want to get back to the counterpart that is currently placed on hold, press the TRANS/PGM button.

Data Generation

- Register the assistance button. [ACD Management] Terminal Information / Button Data Register the assistance button to the flexible button as follows: Button Type: Feature Code-Assistance
- 2. Register an extension for assistance. [ACD Management] Logon Data Assist Tel Number: an extension number

Note

- 1. ASSISTANCE Button Flexible button on DKTU assigned with Feature Code-Assistance
- 2. ASSISTANCE Subscriber

 Assist telephone number registered to each Login ID

 [Ref. 3.2.5]

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2.5 Automatic Answer

Description

This function is to automatically answer a call that is reached to an agent after the certain time (Note 1).

How to Use

- 1. Set the Auto Answer Mode per Logon ID. [Ref. Data Generation 1, 2]
- 2. A call is reached to an agent to whom the Auto Answer Mode set.
- 3. Conversation after the certain time.

Data Generation

- Set the Answer Mode enabled on Logon [ACD Management] Logon Data <u>Answer Mode</u>: Choose from Automatic / Manual
- 2. Set the Answer Mode Using a function code

Register the function button for Answer Mode to the flexible button of DKTU.

The chosen function button is used to toggle the answer mode between Automatic and Manual.

[ACD Management] Terminal Information / Button Data

Feature Code-Automatic/Manual Answer

Flexible Button Control on LED

DN: Manual Answer

OFF: Automatic Answer

Note

1. Certain Time

Time until the automatic answer of incoming call

[ACD Management] Logon Data

Automatic Answer Time (sec)

2.6 Automatic Work Mode

Description

This function enables the agent to keep the after call work mode automatically to provide a spare time after conversation.

How to Use

- Set the ACW (after-call work) mode to Automatic.
 [Ref. Data Generation 1, 2]
- 2. Choose the options to use the Automatic ACW mode.

[Ref. Data Generation 4.]

Whether to apply the mode to Non ACD Inbound Call? Whether to use 'Outbound Call'?

3. Specify how long a call stays during the use of ACW mode.

[Ref. Data Generation 5.]

The state is turned into the on-hook mode automatically or manually after a set time.

Data Generation

- Set the ACW mode to Automatic. Enable the mode on logon. Choose whether to use the "Automatic" ACW mode per Split. [ACD Management] Split Data <u>Use After Call Work Mode</u>: YES
- Set the ACW mode to Automatic Using the function button Register a DKTU button as a function button to be used for the Automatic ACW mode.

[ACD Management] Terminal Information / Button Data

Assigned with *Feature Code-Work Mode* after selecting the flexible button.

Flexible Button Control on LED

ON: Auto After Work Mode

DFF: After Available Mode

3. Function Button to indicate the ACW status [ACD Management] Terminal Information / Button Data Feature Code-Work After Call

Flexible Button Control on LED

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ON: Working Mode (In the middle of ACW)

DFF: Answering Mode (Answerable state)

4. Choose the options to use the 'Automatic" ACW mode

[ACD Management] Split Data

<u>Not use ACW on Each I/B</u>: Choose the option to use the 'Automatic" ACW mode for Non ACD Inbound Call

<u>Not use ACW on Each O/B</u>: Choose the option to use the 'Automatic" ACW mode for Non ACD Outbound Call

5. Specify how long a call stays during the use of the "Automatic" ACW mode [ACD Management] Logon Data

Max Work Time (sec)

 $1\sim600$ sec: The phone is maintained in the state of using the ACW mode is maintained for a set time and then the call will be automatically turned into the on-hook state.

0: The state of using the ACW mode is maintained until <u>the manual</u> <u>switchover to the on-hook state</u> (Note 1).

Note

1. To turn into the Manual ACW mode or on-hook state, use the function button as mentioned in Data Generation 3.

2.7 Automatic Available Mode

Description

This feature is for an agent to turn into the on-hook state after completing a call.

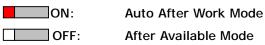
How to Use

1. Set the ACW mode to Automatic. [Ref. Data Generation 1., 2.]

Data Generation

- Release the ACW mode from Automatic. Apply it on logon. Choose whether to use the Automatic ACW mode per Split [ACD Management] Split Data <u>Use After Call Work Mode</u>: NO
- Release the ACW mode from Automatic Using the function button Register a DKTU flexible button with the "Automatic" ACW mode. [ACD Management] Terminal Information / Button Data Feature Code-Work Mode

Flexible Button Control on LED



Note

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2.8 Break Mode (Not Ready Mode)

Description

This feature is to set/release the agent to/from the break mode.

In this case, ACD Inbound calls are not distributed to the agent and Non ACD Inbound calls are distributable according to option. [Ref. Data Generation 3]

How to Use

- 1. In case that a DKTU set is used for an Agent, pressing the function button that is registered with the Break mode toggles the Break mode and the on-hook mode.
- 2. In case that a SLT set is used for an Agent, pressing the function code (*463) toggles the Break mode and the on-hook mode.

Data Generation

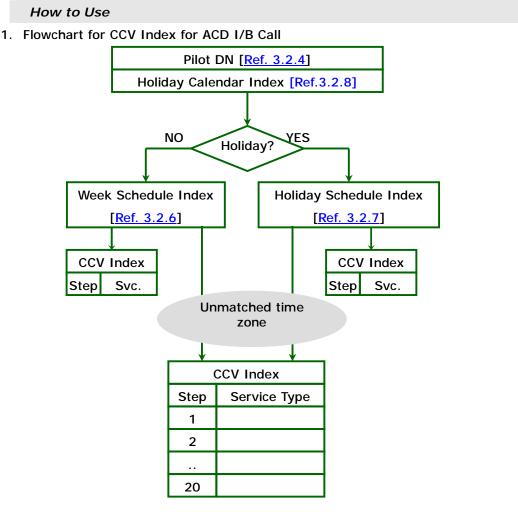
- Register a flexible button for a DKTU-Agent with the Break mode button. [ACD Management] Terminal Information / Button Data <u>Feature Code-Ready/Not Ready</u>
- Register a function code for an SLT-Agent with the Break mode button.
 [OMS] DATA 2.1 System Numbering Plan SLT Not Ready Code: *462
- 3. Choose whether to receive Non ACD Inbound call in the Break mode or Work mode.

[ACD Management] System Option <u>Directly call agent – Not Ready or ACW</u> <u>NO: / YES</u>:

2.9 Call Control Vector

Description

This feature is to provide various procedures to process ACD I/B calls. CCV can be applied depending on weekday, weekend, and holiday.



[Figure 2.9-1]

- 2. CCV Service Type
 - q Access to Split # (1~50)Distributing a call to any Split available to answer an inbound call
 - Queue to Split # (1~50)First putting an inbound call in the Queue and then distributing it an

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available Split

- q Pause # (1~250sec)To stop call processing over a certain time
- q Transfer to Telephone NumThis service is used to transfer ACD I/B Call to a specified number.

You cannot go over to the next stage during this service. Therefore, this service is proper at the last stage.

- q Hang Up Release the line
- q New Priority (1~100)Higher the value, higher the priority.
- q Up Priority The current priority is elevated over as many steps as the new priority is given.
- 3. CCV is organized into up to 20 stages.
- 4. Stage Shift Conditions
 - q Access to Split # (1~50)When there is no available Split in the group
 - q Queue to Split # (1~50)When the state of Queue-waiting ends
 - q Pause # (1~250 sec)When a certain time set for a pause passes
 - qTransfer to Telephone NumWhen it is impossible to go over to the next stage
 - q Hang UpWhen it is impossible to go over to the next stage
 - q New Priority (1~100)
 When a call is given priority and immediately shifted to the next station
 Effective when the next stage is in the service of 'Queue to Split #'
 - Q Up Priority
 When the priority is changed and then the call shifts to the next stage
 Effective when the next stage is 'Queue to Split #'

Data Generation

- 1. Generating Call Control Vector [Ref. 3.2.3]
- 2. Assigning a CCV Index to each ACD representative number (Pilot DN) [Ref. 3.2.4]

2.10 Call Distribution to Agents

Description

A call waiting in the Queue is distributed to the agent that is idle longest. Calls waiting in the Queue are processed according to priority. Calls are of the same priority are processed in the waiting order.

How to Use

Data Generation

2.11 Call Forwarding -Split

Description

This feature is to forward ACD I/B calls to a specified subscriber when the calls arrive as ACD group.

This function is available for only Supervisor to register and deregister.

How to Use

1. Register/Deregister Call Forwarding with the ACD group (Split) to which the Supervisor belongs. [Ref. Data Generation 3.]

Supervisor Telephone: Function Button + *#

 When Call Forwarding has been registered, all ACD I/B calls are forwarded to the specified subscriber when the calls reach the ACD group (Split).
 [Ref. Data Generation 1.]

Data Generation

- Specify a subscriber with whom to register Call Forwarding [<u>Ref. 3.2.1</u>]
 Assign the forwarding telephone number each ACD group (Split).
- 2. Register Supervisor [Ref. 3.2.10]
- 3. Register the call forwarding to the flexible button of Supervisor. [Ref. 3.2.11]

2.12 Call Transfer to Split Queue

Description

This feature is for a busy extension or ATD user to forward a I/B call to the ACD representative (Pilot DN).

The call will be processed according to ACD service procedure.

How to Use

Data Generation

Note

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2.13 Call Waiting Indication – LCD Display

Description

This feature is to show the number of calls waiting in the Queue of the ACD group (Split) in the way of indicating on the LCD of the agent DKTU.

How to Use

Data Generation

2.14 Calling Party Indication

Description

This function is to show the caller's number on the LCD of the agent DKTU when there is an ACD I/D call reaching the agent. This feature is available only when the CS1000 can process the caller's number.

How to Use

Data Generation

1. Choose the option of requesting the caller's number. [OMS] DATA 4.8 Trunk Route Base All Option <u>Request ANI Information</u>: YES

2.15 CTI Call Routing

Description

This function is to distribute ACD I/B calls waiting in the Queue using CTI *Switching Function Service-Divert Call Service* instead of CS1000.

How to Use

- 1. Choose the option of routing CTI calls per ACD group (Split) Queue.
 [Ref. 3.2.1]
- 2. Generate CCV to have ACD I/B calls waiting in the Queue. [Ref. 2.26]
- 3. ACD I/B calls will wait in the Queue during the set time even though there is an idle agent. After the set time the calls will be processed according to the service type of the stage following CCV.

Data Generation

2.16 Do Not Disturb - Split

Description

This function is to reject ACD I/B calls for a specified ACD group (Split). Only Supervisor is authorized to register/deregister this feature.

How to Use

1. Register/Deregister DND-Split with the ACD group (Split) to which the Supervisor belong. [Ref. Data Generation 2.]

Supervisor Telephone: Function Button + *#

2. ACD I/B calls are neither allowed to arrive in the Queue of ACD group (Split) with which DND-Split is registered nor to be distributed to any agent.

If the CCV service type to apply to an ACD I/B call is Access to Split # or Queue to Split #, the call will not be processed but shifted to the next stage. Using other service types, the call can be processed.

Data Generation

- 1. Register Supervisor. [Ref. 3.2.10]
- 2. Register DND at the flexible button of Supervisor. [Ref. 3.2.11]

2.17 Flexible ID Codes

Description

Logon ID is not specified for a telephone.

An agent is allowed to log on using a random agent telephone. Using a logon ID can specify its ACD group (Split).

How to Use

Data Generation

1. Specify an ACD group (Split) according to logon ID. [Ref. 3.2.5]

2.18 Holiday Scheduling

Description

This feature is to assign holiday ACD I/B calls to each CCV Index by the hour. [Ref. 3.2.7]

Find a CCV Index for ACD I/B calls according to holiday schedule. If not found, try the weekly schedule. If neither from the weekly schedule, use the basic CCV Index.

[Ref. Fig 2.9-1]

How to Use

Data Generation

Note

1. Collect data on holidays.

Before using the holiday schedule, find holidays according to the calendar. [Ref. 3.2.8]

2.19 Jack Status Recognition

Description

This feature is to automatically turn the agent into the Logoff or 'Not Ready' mode when the plug happens to come out of the jack.

How to Use

Data Generation

 Choose a mode for the agent in case the plug comes out. [ACD Management] Split Data <u>Status on Repair</u>: Logon / Break

Note

1. If you try to connect the plug to the jack, the agent status will not automatically be recovered.

2.20 Logon/Logoff

Description

This feature is to distribute ACD I/B calls arriving at the ACD group (Split) to an agent, only when the agent log onto the ACD group (Split).

If the agent log off, ACD I/B calls will not be distributed to the agent any longer.

How to Use

1. Logon

When the agent uses a DKTU

FUNCTION BUTTON + Logon ID + ON-HOOK

When the agent uses a SLT set

OFF-HOOK + FUNCTION CODE (*462) + Logon ID + ON-HOOK

2. Logoff

Same as logon Logon ID is omissible.

Data Generation

 1. Register logon/logoff at a flexible button of DKTU.
 [Ref. 3.2.11]

 [ACD Management] Terminal Information/Button Data

Flexible Button Control on LED

N: Logon

FF: Logoff

- 2. Feature code available on SLT [OMS] DATA 2.1 System Numbering Plan <u>SLT Log ON/OFF Code</u>: *462
- Register digits length for the Logon ID. [Ref.3.2.12]
 [ACD Management] System Option
 <u>Agent Logon ID Length</u>: 3~6
- 4. Register a Logon ID. [Ref.3.2.5] [ACD Management] Logon Data
- 5. Assign whether to use a Logon ID on logoff [Ref.3.2.1] [ACD Management] Split Data Use ID on Logoff



2.21 Multiple Supervisors

Description

This function is to register one Supervisor or more at the ACD group (Split). While an agent telephone can belong to an ACD group (Split) depending on its logon ID that is typed in, a Supervisor telephone depends on its telephone number.

How to Use

Data Generation

1. Choose a telephone for Supervisor. [Ref. 3.2.10]

[ACD Management] Terminal Information

Change DKTU-Agent to Supervisor and assign ACD group (Split) Index to the Supervisor.

- 1. An agent is allowed to log onto the Supervisor telephone to process an I/B call.
- 2. Only DKTU telephone set can be available for the Supervisor mode.
- 3. Supervisor Mode
 - q Call Forwarding Split [Ref. 2.11]
 - q DND Split [<u>Ref. 2.16</u>]

2.22 Non ACD Call

Description

Non ACD call means a call placed by directly dialing the agent's number instead of the ACD representative number (Pilot DN).

If the agent is turned into the Not Ready or ACW mode, an ACD I/B call will not distributed to the agent. Non ACD calls can be distributed according to option. [Ref. Data Generation 1.]

How to Use

Data Generation

 Choose whether to let a Non ACD call reach the agent that is currently in the Not Ready or ACW mode. [Ref. 3.2.12] [ACD Management] System Option <u>Direct call agent – Not Ready or ACW</u>: NO / YES

2.23 Overflow Outside ACD

Description

This feature is to forward ACD I/B calls to outside according to CCV service type (Transfer). [Ref. 2.9]

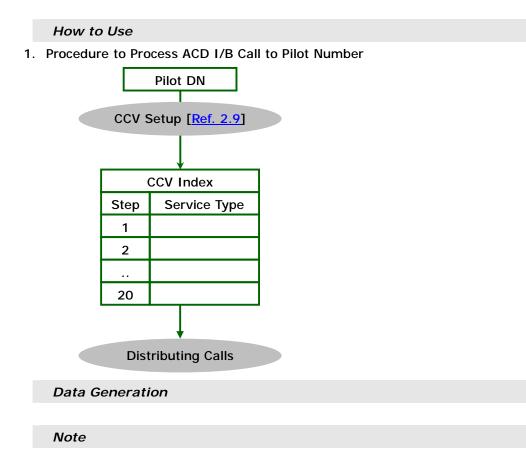
How to Use

Data Generation

2.24 Pilot Number

Description

Pilot Number means a representative number to start ACD service as a virtual number matching up with CS-1000 extension numbering plan.



2.25 Priority Queuing

Description

This feature is to give priority to ACD I/B calls according to incoming type. ACD I/B calls waiting in the Queue are processed according to high priority. Calls of the same priority are processed depending on which is waiting longest in the Queue.

How to Use

- 1. Prioritize per ACD representative (Pilot DN).
- 2. Priority by Incoming Type
 - qExternal Call PriorityPriority given to each ACD I/B trunk call
 - qInternal Call PriorityPriority given to each ACD I/B extension call
 - qTransfer Call PriorityPriority given to each ACD I/B call transferred by an extension
- 3. Priority Value

The value ranges from 1 to 100. The larger value, the higher priority.

4. Priority Change

Priority is changeable by Call Control Vector. [Ref.2.9]

- **q** New Priority New priority is given.
- q Up PriorityThe current priority is elevated over as much as the new priority is given.

Data Generation

1. Prioritize per ACD representative number (Pilot DN). [Ref.3.2.4]

2.26 Queuing – ACD

Description

Each ACD group (Split) has a Queue that is capable of having up to 200 calls waiting.

Basically calls waiting in the Queue are distributed to an idle agent. However, they may not be distributed for <u>CTI Call Routing</u> (Note 1) according to option. [Ref. Data Generation 2.]

In case there is not agent that has currently logged onto the ACD group (Split), you can choose whether to keep ACD I/B calls waiting in the Queue. [Ref. Data Generation 4.]

 How to Use

 Pilot DN

 Pilot DN
 CCV Setup [Ref. 2.9]

 CCV Index
 CCV Index

 Step N-1
 Step N

 Step N-1
 Step N

 Queue to Split #
 Data Generation

 1. Queue Depth [Ref. 3.2.1]
 CTI Routing Option [Ref. 3.2.1]

 3. Queue waiting announcement
 [Ref. 2.3]

4. Whether to keep an ACD I/B call waiting in the Queue in case there is no agent that has currently logged onto an ACD group (Split) [Ref.3.2.1] [ACD Management] Split Data

Logoff Mode: Allow Queue / Prohibit Queue

1. CTI Call Routing [Ref. 2.15] Automatic Call Distribution using CTI Switching Function Service-Divert Call Service

2.27 Split

Description

Split means an ACD group. This feature is to group the agents by task type. An agent chooses an ACD group (Split) according to logon ID.

How to Use

- 1. Generate each ACD group (Split) and assign a task type to each [Ref.3.2.1]
- 2. Register an agent with a specified ACD group (Split).
 - q Register the agent's telephone. [<u>Ref.3.2.10</u>]
 - q Register a Split per logon ID. [Ref.3.2.5]
 - **q** Log onto the agent's telephone. In this case, the entry of Logon ID is a factor to determine which ACD group the agent belongs to.

Data Generation

2.28 Week Schedule

Description

This feature is to set up CCV Index to apply to ACD I/B calls by the hour each day of the week [Ref.3.2.6]

Find CCV Index for ACD I/B calls from the holiday schedule. If CCV Index is not found, try the weekly schedule.

If neither found from the weekly schedule, the basic CCV Index will be applied. [Ref. Fig 2.9-1]

How to Use

Data Generation

2.29 Work Mode

Description

This feature is to display the status of ACW (After-Call Work) by the agent. If the agent uses a DKTU set, LED shows the status.

How to Use

- 1. To turns into the ACW mode
 - q Use the automatic ACW service after completing a call.
 - **q** Press the function button on your DKTU phone to register the ACW mode if you use a DKTU set
- 2. To turn from the ACW mode into idle
 - **q** Check that you go idle automatically after a set time from the automatic ACW service.
 - **q** Press the function button to go idle if you have automatically been into the ACW mode but the time indicates 0 or in case you have manually been into the ACW mode.

Data Generation

1. Function button to indicate the ACW status [Ref.3.2.11]

[ACD Management] Terminal Information / Button Data

Feature Code-Work After Call

Flexible button Control on LED

ON:

Working Mode (in mid-ACW)

F: Answering Mode (in the on-hook state)

2.30 Work Mode Time Limit

Description

This feature is to set a time needed for ACW up to 600 seconds. After the set time, the mode turns automatically into the on-hook state.

If you set the time to "0", you will remain in the ACW mode until you go on-hook yourself.

How to Use

Data Generation

- 1. Set a time needed for ACW. [Ref.3.2.5] [ACD Management] Logon Data <u>Max Work Time (sec)</u>
- 2. Manually register/deregister the Work mode.

Register a DKTU flexible button as a function for the Work mode.

Toggle between the Work mode and the Answering mode pressing the button.

[ACD Management] Terminal Information / Button Data

Feature Code-Work After Call

Flexible Button Control on LED

ON: Work Mode

The LED for the Work mode is ON even during the automatic ACW mode

DFF: Answering Mode

2.31 ZIP Tone

Description

This feature, as only available on LGP series, is to use a zip tone according to bell on the agent telephone.

How to Use

- 1. Choose whether to use a zip tone per agent (Logon ID).
- 2. Check that a zip tone, instead of the ringing type, plays to alert the agent when an I/B call reaches the agent.

Data Generation

- Choose whether to use a zip tone on logon [ACD Management] Logon Data <u>Zip Tone/Ring Mode</u>: Tone
- Choose whether to use a zip tone using the function button Register a DKTU flexible button to be used as a to set a zip tone. Toggle between a zip tone and the mode by pressing the button. [ACD Management] Terminal Information / Button Data Feature Code-Ring/Tone Mode

Flexible Button Control on LED

N: Ring Mode

3 ACD Management

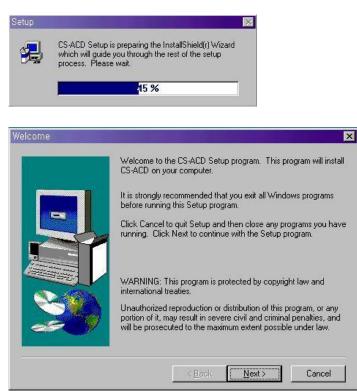
3.1 Overview

3.1.1 Setup Requirement

- q Operating System: Windows 95, Windows 98, Windows 2000
- q CPU: Pentium 200MHz or greater
- q Memory: 64 Mbytes or greater
- q LAN Card (10 Mbps TP)

3.1.2 Program Installation

- 1) Insert the ACD Management Install diskette into the drive.
- 2) Double-click Setup.exe.
- 3) ACD Management setup will start.



User Information	×
	Type your name below. You must also type the name of the company you work for.
	Name: system
	r\$
	< <u>Back N</u> ext> Cancel
Choose Destination Loc	ation 🗵
-	Setup will install CS-ACD in the following directory.
	To install to this directory, click Next.
	To install to a different directory, click Browse and select another directory.
	You can choose not to install CS-ACD by clicking Cancel to exit Setup.
	- Destination Directory
20	C:\Program Files\CS-ACD
	< <u>B</u> ack <u>N</u> ext> Cancel
Select Program Folder	X
	Setup will add program icons to the Program Folder listed below. You may type a new folder name, or select one from the existing Folders list. Click Next to continue.
	Program Folders:
	CS-ACD
	Existing Folders:
	< <u>B</u> ack <u>N</u> ext> Cancel



Setup has enough information to start copying the program files. If you want to review or change any settings, click Back. If you are satisfied with the settings, click Next to begin copying files.
Current Settings:
Setup Type: Complete Target Folder C:\Program Files\CS-ACD
User Information Name: 홍 갈 동 Company: LGIC
<back next=""> Cancel</back>

3.1.3 Program Uninstallation

- Follow the instructions under Settings à Control Panel and double-click Program Add/Remove to bring up the window as below.
- 2) Select 'CS-ACD' from the list and click the Add/Remove(R)... button.

ld/Remo	we Progra	ms Properties	s:	?
Install/Un	install Win	dows Setup S	itartup Disk	
2	To install a drive, click		irom a floppy disk o	r CD-ROM
				nstall
J	Windows.	To remove a po its, select it from	in be automatically rogram or to modify h the list and click	
Korean Korean Microsc	TEL S2 erminal Priva Language S Menus/Dial oft Global IMI	ate Edition v6.3 Support ogs for IE 5.5SF E for Korean xplorer 5.5 and		
Microso	oft Office 200	0 SR-1 Premiur	m	<u> </u>
			Add/	Remove
		OK	Cancel	Apply
move Progr	rams From Vo	ur Computer		
			will remove the software ' ase wait while each of the removed	
	and M	✓ Share	d program files	

Standard program files... Folder items... Program folders... Program directories... Program registry entries..

Uninstall successfully completed.

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OK



3.1.4 Program Uninstallation

Follow the steps under Start à Programs à ACD Management.



[Figure 3.1.4-1]

In the ACD Management window, enter the CS1000 IP address to access the CS1000. Then, click the 'Connect' button.

🗘 SpitData		
Cal Cutrol Vector		
D Plidfars		
🗘 Agert epn	Clara Server	
🗊 Mee-dy Schertale 💭 Ha iday Schertale	3 = 9	
Ho klay Calendar	Connect Diexannect Close	
Trunk Sected Date	IP WESTWEE T UDP Chark	
Terriszi réerrot i		
🖗 Seten Option 🗗 ACO Data Rackille	10	
4 14	and the second se	
Generative	Prod	
for an and the second se		
Connect clotec		
C II SIMUS		
1000 (100 (100 (100 (100 (100 (100 (100		
System Nessage (
A DECEMBER OF COMPANY OF COMPANY		

'Connect status' turns green.

[Figure 3.1.4-2]

3.1.5 Program Close

1) Disconnection from the CS1000

😰 Spilt Data 🕐 Spilt Tone		
Call Control Vestor		
😰 Ager: Logen	Comm Berws	
 Meekly Schedule Hollday Schedule 	Entret Disponent Close	
😨 Holiday Calandar 😨 Trunk Sarial Dala 😰 Terminal Informati	P REPAIRING TOP Check	
Bysken Option ACD Data BackUp	[Fa]	
	254	
<u> </u>		
Communication	PM	
Cornect status Tx status		
C. wants		

- (1) Clicking Communication bring up the Comm Server window.
 - (2) In the window, clicking 'Disconnect' break the connection.
- 2) In the ACD Management window, click as below to close the window.



If you close the window without disconnecting from the CS-1000, the connection will be automatically broken, with the result that the program ends.

3.1.6 Data Generation on Off Line

The ACD seed file can be created without connection with the CS1000 system by on line, and it can be available to query and change the data from ACD seed file.

- 1. Run the program. [Ref. 3.1.4]
- 2. Enter the IP address 127.0.0.1 and then click Connect.
- 3. Check that the Seed file Path window is brought up as shown in [Figure 3.1.6-1].

😴 Seed file Path			
	Select OK	Default OK	
Sei	lect Seed File	Path	
Nia	Name	Path	4
1			-
2			
2 3 4 5 6 7 8 9			
4			
5			
6			
7			
8			
9			
10			
11			
12			

[Figure 3.1.6-1]

q Default OK

Run data generation on off line at the basic polder (C:\).

- 4. Register a Seed file path
 - (1) In [Figure 3.1.6-1], click the right mouse button on a selected number. Then
 - a pop-up menu will appear.



(2) Select Add Seed Path. Then, a dialog box will appear as shown below.

Name	Seed File Pat	h	
LGE	ſ		
	<u>0</u> K	Cancel	Browse

(3) Enter in the Seed File Path field and the click OK.

- 5. Delete Seed file Path
 - (1) In the above [Figure 3.1.6-1], click the right mouse button on a path you want to delete. Then, a pop-up menu will be brought up.

Add Seed Path
Delete Seed Path
===========
Create Folder
Delete Folder

- (2) Select *Delete Seed Path.* Then information on the selected file path will be removed.
- 6. Create/Remove a Folder

You can create a folder to register a Seed file path or remove it.

(1) Creating a folder

On [Fig 3.1.6-1], click the right mouse button. Then, a pop-up menu will be brought up.

From the pop-up menu, select *Create Folder*. Then a dialog box will appear as below.

<u>Name</u>	Folder Name		
SITE	d:\site		
	Create <u>O</u> K	Cancel	Browse

Enter the name of a folder you want to create and then click Create OK.

NOTE 1. A new folder can be created only under its higher folder. For example, if you create a folder named '<u>d:\site\lqe'</u>, 'd:\site' must be present.

(2) Deleting a folder

Click the right mouse button on a path selected from [Fig 3.1.6-1]. Then a pop-up menu will appear.

If you select *Delete Folder* from the pop-up menu, a warning dialog box will pop up.

Warning	
d:\site\lg	e₩ ∗,∗ File Delete
Yes	<u>N</u> o

If you click "Yes", all the files and sub-folders of the folder will be deleted.

3.1.7 Program Setup

File				العلد.
② Spit Data ② Spit Tons ② Call Connel Viertor ② Frint Data		Default timet	Heat Security Concerns 1 Split Concerns Diff. 4949 Allow Concerns arr Lagott	Other
Communication Communication Cosmen I status		Had Dee A	icgoff CW on Each 19 CW on Sadh 09 Call Walk Nade	
	Rinta Arguend : Connuleta	<u>.</u>		

Menu Tree

Menus of ACD Management are structured in the form of a tree.

Double-click a menu to display its organization.

Components	Description
Split Data	Agent group data
Split Tone	Announcement for calls waiting in Queue
Call Control Vector	Service procedure for ACD Inbound call
Pilot Data	ACD representative number
Logon Data	Agent data
Weekly Schedule	CCV data to apply by the hour every day of the
	week
Holiday Schedule	CCV data to apply by the hour every holiday
Holiday Calendar	Holiday data
Trunk Serial Data	Trunk group data
Terminal Information	Agent and Supervisor telephone data
System Option	Options of ACD features
ACD Data Backup	ACD data backup

Toolbar Buttons

Button Type	Description
CLOSE	Close Window
QUERY	Query data
CHANGE	Modify data
ADD	Add data
DELETE	Delete data

Other Button Descriptions

Buttons discussed herein do not affect data on the CS-1000. Below are the buttons used to modify or add data.

Button Type	Description
DEFAULT INSERT	To generate new data
NEXT INSERT	To generate the same data as
	the last in value
DELETE	To delete data

3.2 How to Use Manual

3.2.1 Split Data

Description

Agent groups are classified according to task type and can be made available up to 50 groups.

Configuration

Ş	SPLIT ()ata						
	Close	₽ Query	P C <u>h</u> ange	⊘ Add	 Delete			
1					Default Insert	Next Inse	rt DELE	TE
	Split Inde	ex Split	Queue D	N 🔺	Split Index :	1 Split Q	ueue DN : 300	0
	1		3000					
	2		3100	_	Queue Depth			20
	3		3200	_	Logoff Mode		Allow Queue	-
	4		3300		Status on Rep	- Dair	Logoff	-
					Step Of Anno	uncement		5
					Forward Tel I	lumber		
					📕 Use ID on			
					States .	CW on Each		
					7	CW on Each		
					📃 🛄 Use After	Call Work N	lode	
					📃 CTI Call R	outing		
				-				

→ The whole Split (up to 50) Queue DN is displayed and the selected split is displayed in detail in the right frame.

q Split Index

Split Index means serial number to sort splits (1~50)

q Split Queue DN

Split Queue DN means Queue number per agent group and is needed for CTI Call Routing, regardless of CS-1000 numbering plan. It may overlap Pilot DN and cannot overlap with Split Queue DN.

q Queue Depth

Queue Depth means the max number of calls that can be waiting in Queue $(0 \sim 200)$.

q Logoff Mode

This mode is needed to decide whether to keep ACD I/B calls waiting in the Queue when all the agents have logged off. [Ref. 2.26]

q Status on Repair
 This mode is to turn into the 'Not Ready' or Logoff state. [Ref. 2.19]

q Step of Announcement

This step is used to play an announcement to the caller waiting in the Queue. $(1 \sim 5)$ [Ref. 2.3]

q Forward Tel Number

This number is an extension used to answer ACD I/B calls forwarded to an agent group in case the Split is placed in the 'Call Forward' mode. [Ref. 2.11]

- q Use ID on LogoffThis mode is used to choose to use the logon ID when the agent logs off.
- q Not use ACW on Each I/B
 This mode is used to choose not to use the ACW mode for non-ACD I/B call.
 [Ref. 2.6]
- q Not use ACW on Each O/B
 This mode is used to choose not to use the ACW mode for non-ACD O/B call
 [Ref. 2.6]
- qUse After Call Work ModeThis mode is used to choose to use ACW mode [Ref.2.6]
- CTI Call Routing
 This mode is used to choose to distribute ACD I/B calls waiting in the Queue
 using CTI server command. [Ref.2.15]

Note

q Split Data that has been changed is applied when the agent re-log on.

3.2.2 Split Tone (Announcement for Calls Waiting in Queue)

Description

This feature is to choose an announcement to play to callers waiting in the Queue up to 5 steps. [Ref. 2.3]

Configuration

		2 48 Jery C <u>h</u> ange					
	Split Index	₩ait Annc.1	Wait Annc.2	Wait Annc.3	Wait Annc.4	Wait Annc.5	
	1	1	2	3	4	5	
	2	6	7	0	0	0	
Þ	3	8	0	0	0	0	
1	4	9	10	11	0	0	-
	5	1	2	3	4	5	
	6	1	2	3	4	5	
	7	1	2	3	4	5	
	8	1	2	3	4	5	
	9	1	2	3	4	5	
	10	1	2	3	4	5	
	11	1	2	3	4	5	
1	12	1	2	3	4	5	
	13	1	2	3	4	5	
	14	1	2	3	4	5	

q Split Index

Split Index, as a serial number to sort splits $(1 \sim 50)$, is used to choose an announcement to play callers waiting in the queue per split (Agent group)

q Wait Annc.#

This is to indicate how many steps are needed to play an announcement to callers waiting in the Queue.

0: Announcement is not chosen. In this case, the status of waiting in the Queue will end

1~20: CS-1000 TONE Parameter à ACD Service Tone

OMS DATA 2.4 system Tone Parameter

ACD Service Tone 1 ~ ACD Service Tone 20

3.2.3 Call Control Vector

Description

This feature is to set up the procedures of the service for ACD I/B Call. [Ref. 2.9]

Configuration

Close Qu		Add Delete			
	Befault in	wert lied Inwert	GELETE		
	- CCV Ind				
2		Service Type Access to Split = *	Data	Service	Type Bata
	Stop 1			Step11	
	Step 2	Queue to Split # 👻	2 •	Step12	2
	Step 3	Transfer to Telep 💌	1 💌	Step13	
	Step4	CCV End Mark 💌		Step14	
	Step 5			Step15	2
	Step 6			Step16	2
	Step 7			Step17	<u>×</u>
	Step 8			Step18	
	Step 9			Step19	×
	Step10			Step 20	
	Transfe	r Teino 1 1000		Transfer Telso 2	
	Transfe	r Teino 3		Transfer Telno 4	

→To display CCV index whose data is generated in detail in the right frame.

q CCV Index

CCV serial numbers available up to 200.

q Step

Service step available to choose up to 20 steps.

Service Type and Data

Service Type	Data
Access to Split #	Split Index
Queue to Split #	Split Index
Pause # (sec)	1~250 sec.
Transfer to Telephone Number	1~4
Hang Up	None
New Priority #	1~100
Up Priority #	1~100
CCV End Mark	

- q Access to Split #Distributes an I/B call to only an available Split
- Queue to Split #
 First keeps an I/B call waiting in the Queue and then distributes it to an available Split
- q Pause #
 Pauses call processing for a certain time
- Transfer to Telephone Num
 Transfers an ACD I/B Call to a specified number
 This service is not followed by any step, with the result that you must use it in the last step of a service.
- q Hang Up Release the line that is currently busy
- q New PriorityGive a new priority. The bigger value, the higher priority.
- q Up Priority The current priority is elevated over as many steps as the new priority is given
- q CCV End Mark Indicates the last step of the service

3.2.4 Pilot Data (ACD Representative Number)

Description

Pilot Direct Number (DN) means an ACD representative number. This feature is to assign CCV Index to each ACD representative number and to prioritize ACD I/B calls.

Configuration

Close	Query Change	e Add <u>[</u>	Delete		
Query Conditi	on : Pilot Index	1~20 💌	Default Insert	Next Insert	DELETE
Pilot Index	Pilot DN		Pilot DN	3000	
1	3000		S		
2	3100		CCV Index		1
3	3200		Week Schedu	le Index	0
4	3300		Week Julieuu		
			Holiday Calen	dar Index	0
			Holiday Schee	lule Index	0
			External Call I	Priority	2
			Internal Call P	riority	1
			Transfer Call	Priority	3

 \rightarrow To display Pilot DN whose data is generated in detail in the right frame.

- q Pilot Index Pilot Data serial number
- q Pilot DN ACD representative number
- q CCV Index Applicable Basic CCV Index
- q
 Week Schedule Index

 Applicable Weekly Schedule Index [Ref. 3.2.6]
- qHoliday Calendar IndexApplicable Holiday Calendar Index [Ref. 3.2.8]
- qHoliday Schedule IndexSchedule Index to be applied for holidays according to the above HolidayCalendar Index[Ref. 3.2.7]

- qExternal Call PriorityPriority of ACD I/B trunk calls
- q Internal Call Priority Priority of ACD I/B extension calls
- qTransfer Call PriorityPriority of ACD I/B calls transferred by an extension

3.2.5 Logon Data

Description

Logon ID is used to identify an agent when he/she log on to his/her telephone or log off it.

Configuration

Close	1000	0 uery	® C <u>h</u> ange	ð Add	Delete	7
		Defa	ult Insert	Next	Insert	DELETE
Index		Log	jon ID		001	
▶ 1 2		Inv	olved Split	Index		1
3		1	sist Tel Nu	mber		
4		AS	sist rei nu	mber		
5		Ma	x Work Tin	ne(sec)		15
6		Aut	tomatic An	swer T	ime(sec)	5
7						p
8		1.253	nswer Mo	1070 - L		23
9		C.	Automat	ic	• Manua	l.
10		Zi	p Tone/Rin	ng Mode		
11		C	Tone	58) 	• Ring	
12				2		
13		He	ead/HandS	et Mode		
14		6	Handset		C Heads	et

To select a Logon Data Index that is registered to display its detailed data

- q Index Logon Data serial number (1~600)
- q Logon ID

ID to identify an agent that has logged on

The ID can use any number, not depending on CS-1000 numbering plan. [Ref.

<u>3.2.11</u>]

- q Involved Split IndexIndex of the group (split) in which an agent log on for activities.
- qAssist Tel Number[Ref. 2.4]Extension number called when an agent requests the ASSISTANCE feature

- q Max Work Time (sec) [Ref. 2.30]
 Max time while an agent keeps the ACW mode when the mode is enabled.
 1~600 sec: The ACW mode is maintained for a set time. After the time, the mode is turned into the on-hook state.
 0: The ACW mode is maintained until the mode is manually turned into the on-hook state.
- q Automatic Answer Time (sec) [<u>Ref. 2.5</u>]
 A set time passing until automatic answer to an I/B call. (180 seconds max)
- qAnswer Mode[Ref. 2.5]Option to choose for automatic answer to an I/B call (Automatic / Manual)
- q Zip Tone/Ring Mode I/B ring mode (Zip Tone / Ring)
- q Head/Handset ModeOption to choose between the Headset/Handset modes

- 1. Capacity
 - q Max number of Logon IDs: 600
 - q Max number of agents authorized to logon: 200
 - q Max number of agents authorized to log on only one group (Split): 100

3.2.6 Weekly Schedule

Description

This feature is to assign each hour CCV Index to be applied to ACD I/B calls per weekday

Configuration

() Dore	Query		dd Relete				
Index	- Week	ly Schedule	Index :	1 00	feet ins	ert Rext Insert	BREFE
2	Step	Day of W	leek Time	CCV	Step	Dag of Week	Time CCV
3	1:	MON	• 0000	2	16:	<u>×</u>	
4 5	2:	MON	+ 0900	1	17 :		
6	3:	MON	• 1800	2	18 :		
7	4:	TUE	- 0900	1	19 :		
9	5:	TUE	• 1800	2	20:		-i-
10	61	WED	+ 0900	1	21 :		
	7:	WED	• 1800	2	22:		Î
	- 1:	THU	- 0900	1	23:		
	9:	THV	• 1800	2	24:	•	
	10 :	FRI	• 0900	1	25 :		
	11 :	FRI	• 1800	1	26 :	•	
	12 :				27 : :		
	13 :				28 :	•	
	14 :				29:		
	15:				30 :		

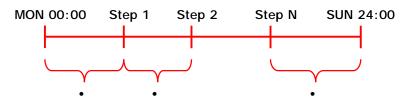
→To select a Weekly Schedule Index that is registered to display its detailed data

- q (Weekly Schedule) Index Weekly Schedule serial number (up to 10)
- q StepTime zone per day of the week (max 30 steps)
- qDay of Week + TimeHour setting per day of the week (start point)
- qCCVCCV Index to be applied per hour per day of the week[Ref. 3.2.3]

Note

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1. Finding CCV Index to be applied



- q In case the current day/hour is beyond the range •, there is no CCV Index to be applied. In this case, use the CCV Index assigned according to Pilot Data [Ref. 3.2.4]
- q In case the current day/hour is within the range •, apply Step 1 CCV Index.
- q In case the current day/hour is within the range •, use Step N CCV Index.

3.2.7 Holiday Schedule

Description

This feature is to apply CCV Index for ACD I/B calls per hour for holidays.

Configuration

Close Qu	9 9 ery C <u>h</u> an					
Index	Holiday	Schedule	Index :	Ĩ		
	Step	Time	CCV Index	Step	Time	CCV Index
2	1:	0000	2	11 :		
4	2:	0900	1	12 :		
5	3:	1300	2	13 :		1
6	4:		1-1	14 :	·	
8						
9	5:			15 :		
10	6:			16 :		
	7:			17 :		
	8:			18 :		
	9:		1	19:		
	10 :		<u> </u>	20 :		1

→To select a Holiday Schedule Index that is registered to display its detailed data

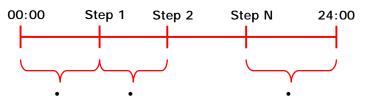
- q (Holiday Schedule) IndexHoliday Schedule serial number (up to 10)
- q StepAssorted time zone (20 steps max)
- q Time Hour setting per day of the week (start point)
- qCCVCCV Index to be applied per hour per day of the week[Ref. 3.2.3]

Note

1. Finding Holidays [Ref. 2.18]

Holiday calendar index is chosen according to Pilot DN and the holidays are found according to the Holiday calendar.

2. Finding CCV Index according to Holiday schedule



- q In case the current time is within the range , there is no CCV Index to be applied. In this case, use the CCV Index assigned according to Pilot Data [Ref. 3.2.4]
- q In case the current time is within the range •, apply Step 1 CCV Index.
- q In case the current time is within the range •, use Step N CCV Index.

3.2.8 Holiday Calendar

Description

This feature is to create holiday calendars needed to choose to apply holiday schedules to ACD I/B calls

Configuration

Clos	e <u>Q</u> ।	Jery C <u>h</u> a	20					
Inde	×	Index :	1					
1 2		Year :	2002	I M	onth : <	< 01	>>	EDIT OK
3		Sun	Mon	Tue	Wed	Thu	Fri	Sat
5		1	1			-		1 - 1
6				1	2	3	4	5
8		6	7	8	9	10	11	12
9	_	13	14	15	16	17	18	19
		20	21	22	23	24	25	26
		27	28	29	30	31		

To select a Holiday Calendar Index that is registered to display its detailed data

q Index

Holiday Calendar serial number (up to 10)

q Year

'Year' shows the past 4-year and the future 5-year calendars based on the current PC year. (Note 1)

- q Month Using the << and >> buttons displays the previous and the next month
- q Edit OK

Before moving to the next month or pressing the <u>Change</u> button, be sure to use the <u>Edit OK</u> button so that the data that has been changed for current

month can be saved.

Note

- 1. You can store one-year holiday data that can be displayed for the calendar of the selected year.
- 2. How to Choose Holidays

Clicking a date in the calendar change it into the other color.

Black: weekday

Red: holiday

3.2.9 Trunk Serial Data

Description

This feature is to create a trunk group to be used for CTI event parameters. (Unnecessary for the ACD feature)

Configuration

Close	Query	e C <u>h</u> ange	Delete	,	
Trunk S	erial No	Trunk Gr	oup	Priority	
1		1		2	-
2	2	1		2	
3	}	1		2	
L		1		2	
5		া		2	
6		1		2	
7		1		2	
8		1		2	
9		2		3	
10		2		3	
11		2		3	
12		2		3	
1	3	2		3	
1	4	2		3	
1	5	2		3	
1	6	2		3	
1	7	0		0	

- q Trunk Serial NoTrunk Serial Number (1~500)
- q Trunk Group Trunk group (1~50)
- q Priority Not used

3.2.10 Terminal Information

Description

This feature is to register a telephone to be used for Agent or Supervisor.

Configuration

uery Condi			
l'ermii All	nal Type S	tart Tel. No. En	d I el. No.
Tel No	Terminal Type	Split Index	4
2000	DTEL-Agent	0	
2001	DTEL-Agent	0	
2002	DTEL-Agent	0	
2003	DTEL-Agent	0	-
2004	DTEL-Agent	0	
2005	DTEL-Agent	0	
2006	DTEL-Agent	0	
2007	DTEL-Agent	0	
2008	Supervisor	1	
2009	DTEL-Agent	0	
2010	DTEL-Agent	0	
2011	DTEL-Agent	0	
2012	DTEL-Agent	0	
2013	DTEL-Agent	0	
2014	DTEL-Agent	0	
2015	DTEL-Agent	0	

q Query Condition

This condition is used to query (display) extension subscribers of the CS1000.

- -Displays extension number from the start to the end per Terminal Type
- Displays all the extension numbers of a selected terminal type.
- Displays Terminal Types of the following:

DKTU, DKTU-Agent, SLT, SLT-Agent, and Supervisor. * 'All' means the five types.

q TelNo

Extension Number

- q Terminal Type
 Agent Telephone: DKTU-Agent, SLT-Agent
 Supervisor Telephone: Supervisor
- qSplit IndexACD group (Split) to which a Supervisor belong

Note

1. How to Choose a Supervisor

If the current terminal type is DKTU-Agent, it can be used for a Supervisor. In this case set the Terminal type to 'Supervisor' and choose a Split Index so that the Supervisor can belong to the Split.

3.2.11 Button Data

Description

This feature is to register features with flexible buttons of Agent or Supervisor DKTU, if only used.

Configuration

1. How to Display

Click the right mouse button on a selected number from Terminal Information. *Then, a pop-up menu will be brought up as shown in [Figure 3.2.11-1].*

Close	31 3 2.	y e uery C <u>h</u> ange tion			
			Start Tel. No. E	nd Tel. No.	
Tel	No	Terminal Type	Split Index		
20	00	DTEL-Agent	1 0		
20	01	DTEL-Agent	Button Data		
20	02	DTEL-Agent	Copy Button		
2003		DTEL-Agent	Paste Button Data		
20	04	DTEL-Agent	Copy Button	Data via Range	
20	05	DTEL-Agent	0	1	
20	06	DTEL-Agent	0		
20	07	DTEL-Agent	0	1	
20	08	Supervisor	1		
20	09	DTEL-Agent	0		
20	10	DTEL-Agent	0		
20	11	DTEL-Agent	0		
20	12	DTEL-Agent	0		
20	13	DTEL-Agent	0		
20	14	DTEL-Agent	0		
20	15	DTEL-Agent	0		

[Figure 3.2.11-1]

Select 'Button Data'. Then the button data will be displayed as shown in [Figure 3.2.11-2] below.

q DSS Connection Information

If a DSS is connected to a telephone, it can be enabled. To display the flexible button data, press DSS.

1	Botton Data P 48 Close Change		
Te	il. No. 2009	Query I OTEL	
	Butten ID	Button Type	Botton Data
•	1	Feature Dode	Log-on/Log-of
	2	Feature Code	Ready/Not Ready
Т	3	Feature Code	Work Mode
	4	Feature Code	Work atter Cal
Т	5	Feature Code	Automatic/Manual Anover
	6	Feature Code	Ring/Tone Mode
Т	7	Feature Code	Headsel/Handel
	8	Feature Code	Assistance
	9	Not Define	
1	10	Not Deline	- H.
	11	Not Define	
	12	Not Define	
	13	Not Define	
	14	Not Deline	
	15	Not Define	
	16	Not Define	
Т	17	Not Define	
1	18	Not Deline	

[Figure 3.2.11-2]

- 2. How to Change
 - Click the right mouse button on a selected ID. A pop-up of 'Change Tool' menu will appear as shown in [Figure 3.2.11-3] below.

Tel. No. 2000	Query: DTEL DTE	L 055 1 7 7	4	[Figure 3.2.11-3
Sutton ID	Eution Type	Batton Data		
	Not Define			
2	Not Define	ange Tool		
3	Not Define			
4	Not Define			
5	Not Define		_	
Б	Not Define			
7	Not Define			
B	Not Define			
8	Not Define			
10	Not Define			
11	Not Define			
12	Not Define			
13	Not Define			
14	Not Define			
15	Not Define			
16	Not Define			
17	Not Define			
18	Not Define		-	

VESION 3.00

brought up as shown in [Figure 3.2.11-4].

Button Data Change Tool								
Button ID	Button Type							
1 Feat	ure Code	-	Log-on/Log-off		-			
* *			🖌 Change	X Clos	se			
Button ID Sh	ift L	→	To apply c	lata th	hat ha	s bee	n change	эd
			Close the	e box	-		l	
			47					

- (3) If you finish registering features per Button ID, click the <u>Change</u> button in [Figure 3.2.11-2] to apply the data that has been changed.
- 3. Copy Button Data/Paste Button Data

Copy the button data of telephone (A) for Agent or Supervisor to telephone (B).

- Choose (A) and select 'Copy Button Data' from the pop-up menu of [Figure 3.2.11-1].
- (2) Choose (B) and select 'Paste Button Data' from the pop-up menu of [Figure 3.2.11-1].
- 4. Copy Button Data via Range

Copy the button data of telephone (A) for Agent or Supervisor to several telephones.

Choose (A) and select 'Copy Button Data via Range' from the pop-up menu of [Figure 3.2.11-1]. Then a dialog box will appear as shown [Figure 3.2.11-5] below.



[Figure 3.2.11-5]

Note

- 1. Data per Button Type
 - q Trunk Serial Number

[[]Figure 3.2.11-4]

Data: trunk serial number Function: seizing an assigned trunk

- q Extension
 Data: Extension number
 Function: calling an assigned extension number
- q Feature Button
 Data: (Note 2)
 Function: performing a specified feature
- Trunk Code with external party
 Data: caller number including the trunk access code (up to 20 digits)
 Function: calling an assigned number
- q Hold (Pool/Loop)Data: no input dataFunction: holding an active call using the HOLD

q Speed (Digit)

Data: registering random digits like various feature codes (up to 20 digits) Function: activated depending on analysis of digits that are registered

2. Feature Code

Feature code	DKTU Agent	Supervisor
Log-on/off	0	0
Incoming Call answer	0	0
Call release	0	0
Ready/Not ready	0	0
Work mode (Automatic / Manual)	0	0
Work after call (Work / Answering)	0	0
Answer Mode (Automatic/Manual)	0	0
Ring/Tone mode	0	0
Headset/Handset	0	0
Assistance	0	0
Split Call Forwarding	Х	0
Split Do Not Disturb	Х	0

3.2.12 System Option

Description

This feature is to define options needed for ACD service.

Configuration

System	Option			
Close	Query	es C <u>h</u> ange		
Agent L	ogon ID Le	ength	3	•
Use AC	D Service	Tone For RBT -		
• NO		C YES		
		Agent No Answer	2	
-Use Tri	unk I/C Op	tion ———		
Use Tri C NO	unk I/C Op	tion • YES		
C NO			NO	•
© NO Send D	TMF Tone	• YES		

q Agent Logon ID LengthLength of Agent Logon ID (3~6)

q Use ACD Service Tone for RBT

This option is to play Queue-waiting announcement to the caller instead of RBT (ring back tone) when I/B calls waiting in the Queue are distributed to an agent.

- q ReRing Count at Agent No AnswerCount of re-ringing when the agent is in a no-answer mode. (0~100)
- q Use Trunk I/C Option

This option is to use a Day/Night incoming trunk route when no agent is available to answer I/B trunk calls. (Note 1)

Q Send DTMF Tone for C.G.T
 This option is to send a DTMF tone twice to the caller instead of Congestion
 Tone (CGT) in case the caller hangs up in mid-conversation with the agent.
 Available Tone: A, B, D

75/ 89

1 2	3 A
4 5	6 B
7 8	9 C
* 0	# D

q Direct call agent - Not Ready or ACWThis option is to choose whether to answer to Non ACD I/B calls when the

agent is in the 'Not Ready or Break mode or in the ACW (After Call Work) state.

Note

Trunk I/C Option per Route
 OMS - Data 4.9 Trunk Route base I/C Day/Night Option
 <u>I/C Vacant Extension Call</u>

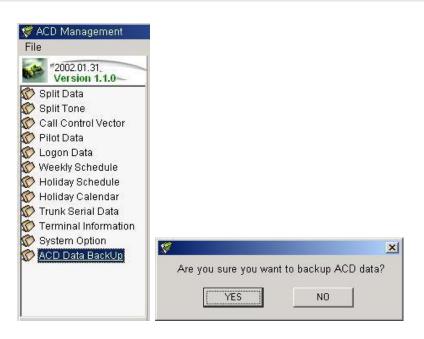


3.2.13 ACD Data Backup

Description

This feature is to back up ACD data.

Configuration



Note

1. Result

The 'acdgen.dt' file is created to CS-1000 DiskOnChip

4 Appendix: Example of Using ACD

4.1 ACD Call Center

Description

This feature is to establish a call center using the CS-1000 ACD feature.

Analysis of Call Center Operation

- q ACD Pilot Number: 3000
- q Weekday (Mon ~ Fri) working hours (09:00~20:00)

Keep callers waiting in the Queue of a ACD group and distribute them to any idle agent(s).

If not distributed during the waiting time, switch the waiting calls to VMS (2800).

- q Holiday and after-work hoursSwitch all the calls to VMS (2900)
- q Queue Waiting Announcement: 3 steps
- q Agent ID and Telephone
 Telephone: (3 sets) 2000, 2001, 2002
 Agent ID (5): 001, 002, 003, 004, 005

Data Generation

1. Pilot Data



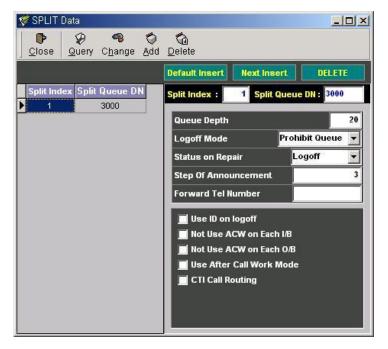
2. Call Control Vector



Call Con	Duery	ctor Change Add Delet					aloi X
CCV Inde	(100.00	Default Insert Nos	and the second se	LEIR .			
Þ		Constan		-	Ser	vice Type	Date:
2		Step 1 Queue to	Split # • 1	-	Step11		
	Г	Step 2 Transfer 1	o Teles - 1	-	Step12	-	
		Step 3 CCV Endl	dark 💌		Step13		*
		Stop-1		-	Step14	2	
		Step 5	1		Step15	2	
		Step 6			Step16		
		Step 7	-	-	Step17	1	*
	-	Step 1			Step18	2	×
		Step 9			Step19		
		Step10	-	-	Step 20		
_	_	Trensfer Telno 1	2849	1	Transfer Teina	2	
		Transfer Telno 3			Transfer Teleo	•	
		-		Servi	се Туре	Data	1
			Step 1	Queue	to Split # 🛓	1	-
			Step 2	Transfe	er to Telej	- 1	-
L			Transfer	Telno 1	280)0	

Close Query	Change Add Delete	sert PLLTE		
CCV Index	CCV Index : 2	sen atter		
1	Course Ton	Data.	Service Ty	se Data
2	Step 1 Transfer to T	elej • 1 •	Step11	
Г	Step 2 CCV End Mar		Step12	
	Step 3	-	Step13	2 2
	Step-1		Step14	2 2
	Step 5		Step15	
	Step 6		Step16	
	Step 7	2 2	Step17	2 2
	Step 1		Step18	2 2
	Step 9		Step19	
	Step10		Step 20	
	Transfer Telno 1	2969	Transfer Teles 2	
	Transfer Teino 3		Transfer Teino 4	
		Ser	vice Туре	Data
	s	itep 1 Trans	fer to Telej 🔻 🚺	•
_ ^L	──	itep 2 CCV E	nd Mark 👻	
		tep 2 Covi		

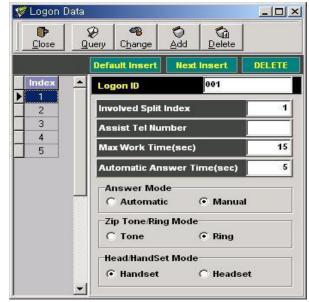
3. Split Data



4. Split Tone

		2 48 Jery C <u>h</u> ange				
1	Split Index	Wait Annc.1	Wait Annc.2	Wait Annc.3	Wait Annc.4	Wait Annc.5
	1	1	2	3	0	0
	2	1	2	3	4	5
	3	1	2	3	4	5
	4	1	2	3	4	5
	5	1	2	3	4	5
	6	1	2	3	4	5
	7	1	2	3	4	5
	8	1	2	3	4	5
	9	1	2	3	4	5
	10	1	2	3	4	5
	11	1	2	3	4	5
	12	1	2	3	4	5
	13	1	2	3	4	5
1	14	1	2	3	4	5

5. Logon Data



6. Weekly Schedule

Qase	-	Schedule	dd Dele	111		-	
1	_					ort. Next Insert	ORIELE Tool CON
_	Step 11	Day of W Mon	eok Tim	Co. Manufacture of	Step	Day of Week	Time CCV
	2:	MON	¥ 0360		17:		\vdash
	21	NOL	- 1360	1	181	•	
	41	THE	- 0300	1 1	191		
	5:	TUE	- 1360	2	20:	•	
	6 ;	WED	- 0966	1	21:		
	71	WEP	- 1940	2	221		
	81	189	¥ 0360	1	23:		
	91	1980	- 1360	2	24:		
	101	FRI	• 0366	1	25.1		
	11:	FRI	- 1860	2	261		
	12:		2		27 :	•	
	53:		-		28 :		
	14L				29:		

Step	Day of W	eek	Time	CCV
1:	MON	-	0000	2
2:	MON	•	0900	1
3:	MON	-	1800	2
4:	TUE	•	0900	1
5:	TUE	-	1800	2
6:	WED	-	0900	1
7:	WED	•	1800	2
8:	THU	-	0900	1
9:	THU	-	1800	2
10:	FRI	-	0900	1
11 :	FRI	-	1800	2

7. Holiday Schedule

Close Qu	9 4 8 ery C <u>h</u> ang	е				
Index 🚺	Holiday S	chedule	Index :	1		
1	Step	Time	CCV Index	Step	Time	CCV Index
3	1:	0000	2	11 :		
4	2:			12 :		1
5	3:		í—i	13:		<u>í – </u>
6	4:		i – i	14 :	2	<u> </u>
8	5:			15 :		
9				—		<u> </u>
10	6:			16 :		
	7:			17 :		
	8:			18 :		
	9:			19 :		
	10 :			20 :		

8. Holiday Schedule

1	Close	₽	5					
	Index	Index :	1					
	1		-					-
	2	Year :	2002	M	onth : 🔹	(< 01	>>	EDIT O
	3							
	4	Sun	Mon	Tue	Wed	Thu	Fri	Sat
	5	1.0						1
	6			1	2	3	4	5
	7		-	-		-	-	
8114 1	8	6	7	8	9	10	11	12
	9							
1	10	13	14	15	16	17	18	19
		20	21	22	23	24	25	26
		27	28	29	30	31		

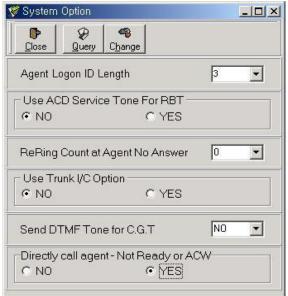
9. Terminal Information

<u>C</u> lose <u>Q</u> uery Condi	y % uery C <u>h</u> ange		
		tart Tel. No. End	Tel. No
Tel No	Terminal Type	Split Index	
2000	DTEL-Agent	0	
2001	DTEL-Agent	0	
2002	DTEL-Agent	0	
2003	DTEL	0	
2004	DTEL	0	
2005	DTEL	0	
2006	DTEL	0	
2007	DTEL	0	
2008	DTEL	0	
2009	DTEL	0	
2010	DTEL	0	
2011	DTEL	0	
2032	DTEL	0	
2033	DTEL	0	
2034	DTEL	0	
2035	DTEL	0	

10. Button Data

I. No. 2000	Query : DTEL	DTEL DSS 1 2 3 4
Button ID	Button Type	Button Data
1	Feature Code	Log-on/Log-off
2	Feature Code	Ready/Not Ready
3	Feature Code	Work Mode
4	Feature Code	Work after Call
5	Feature Code	Automatic/Manual Answer
6	Feature Code	Ring/Tone Mode
7	Feature Code	Headset/Handset
8	Feature Code	Assistance
9	Not Define	
10	Not Define	
11	Not Define	
12	Not Define	
13	Not Define	
14	Not Define	
15	Not Define	
16	Not Define	
17	Not Define	
18	Not Define	1

11. System Option



4.2 Call Center using CTI Routing

Description

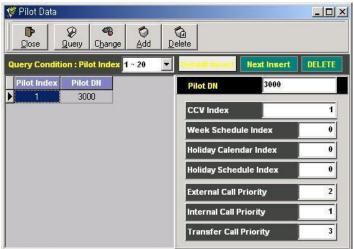
This feature is to establish a call center using the CTI Call Routing feature

Analysis of Call Center Operation

- q ACD Pilot Number: 3000
- q Service Procedure for ACD I/B Call (CCV)
 - Keep calls waiting in Routing Queue
 - Have the calls waiting in the Queue until calls are distributed using CTI Switching Function Service-Divert Call Service.
 - If the Queue waiting time is over, keep the calls waiting in the ACD Queue
 - Distribute the calls according to the CS-1000 ACD feature
- q Queue Waiting AnnouncementRouting Queue: 2 stepsACD Queue: 1 step
- q Agent ID and Telephone
 Telephone Set: (3 sets) 2000, 2001, 2002
 Agent ID (5): 001, 002, 003, 004, 005

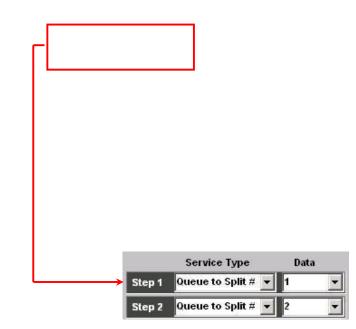
Data Generation

1. Pilot Data

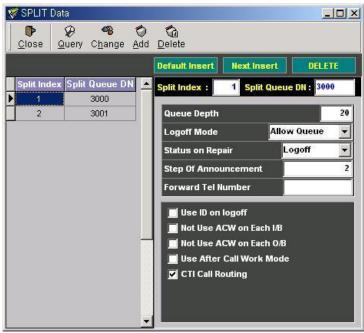


2. Call Control Vector

	🚏 Call C	orwal As	ctor						_ 0	×	
	Ciose	@uery	49 Change	ene Add	Queloto						85/ 89
VESION 3.0	1		Detautt	ment	Heat Insort	DELET				IBUTION	
1	CCV Index		COVIN	dex :	1						
	•	_		S	cruice Type	Data		Service Type	Data		
			Step 1	Que	eve to Split # 💌	1	T Step11	*	- 2		
			and the owner where the party of the party o	-	Allowed Management and		Concession of the local division of the loca	1			



3. Split Data





4. Logon Data

P	5	2 9	0	6	·
Close	1000	uery C <u>h</u> ange	Add	<u>D</u> elete	
	1	Default Insert	Next	nsert	DELETE
Index		Logon ID		001	
2		Involved Split	lindex		2
3		Assist Tel Nu	ımber		
5		Max Work Tir	ne(sec)		15
		Automatic Ar	nswer Tir	ne(sec)	5
		Answer Mo		🖲 Manua	1
		Zip Tone/Rin C Tone		• Ring	
		Head/HandS		C Heads	et

5. Terminal Information



6. Button Data

<u>C</u> lose C <u>h</u> ange		
el. No. 2000	Query : DTEL	DTEL DSS 1 2 3 4
Button ID	Button Type	Button Data
1	Feature Code	Log-on/Log-off
2	Feature Code	Ready/Not Ready
3	Feature Code	Work Mode
4	Feature Code	Work after Call
5	Feature Code	Automatic/Manual Answer
6	Feature Code	Ring/Tone Mode
7	Feature Code	Headset/Handset
8	Feature Code	Assistance
9	Not Define	
10	Not Define	
11	Not Define	
12	Not Define	
13	Not Define	
14	Not Define	
15	Not Define	
16	Not Define	
17	Not Define	
18	Not Define	

7. System Option



