Content

Chapter 1 Commands for SMS

1.1 sms

Command: sms

        no sms

Function: Enter into the SMS configuration mode and enable the SMS function in global. The no command disables it.

Parameters: None.

Default: Disable.

Command Mode: Global Mode.

Usage Guide: Enter into the SMS configuration mode and all the items must be configured under this mode. After disabled the SMS function on AC, AC will not send the warning message to the SMS server, and all the requests of sending message will be ignored.

Example: Enable and disable the sms function.

AC(config)#sms

AC(config-sms)#exit

AC(config)#no sms

1.2 receiver rule <rule-id>

Command: receiver rule <rule-id>

        no receiver rule <rule-id>

Function: Create the SMS receiver rule and enter into the SMS receiver rule mode. The no command deletes it.

Parameters: <rule-id>: the ID of the template, range is from 1 to 8, and 8 rules are supported at most.

Default: The default configuration is empty which means the receiver rule does not exist.

Command Mode: SMS Configuration Mode.

Usage Guide: If the rule has been existed, enter into this mode; if the rule does not exist, enter into the SMS receiver rule mode and create the rule which does not include any receiver. For the no command, if the rule does not exist, it does no action; if the rule has been existed, it will clear all the configurations of the rule, it means that the short message will not be sent to the receiver in this rule. If the rule does not exist, there will be the prompt that this receiver rule has not been created.

Example: Create the SMS receiver rule 1 and enter into the configuration mode of this

rule. Then delete the SMS receiver rule 1 and rule 2.

AC(config-sms)#receiver rule 1

AC(config-sms-rule)#

AC(config-sms-rule)#exit

AC(config-sms)#no receiver rule 1

AC(config-sms)#no receiver rule 2

Sms receiver rule 2 has not been created!

1.3 receiver description <desc>

Command: receiver description <desc>
             no receiver description

Function: Configure the description information for the current receiver rule. The no command recovers it to be default configuration.

Parameters: <desc>: the description information has 128 characters at most including thecharacter of blank.

Default: Empty.

Command Mode: SMS Receiver Rule Mode.

Usage Guide: Configure the description information for the current receiver rule. The no command recovers it to be default configuration.

Example: Configure the description information of "test" for the SMS receiver rule 1, and then delete it to recover to be default configuration.

AC(config-sms)#receiver rule 1

AC(config-sms-rule)#receiver description test

AC(config-sms-rule)#no receiver description

1.4 receiver <receiver-name> mobile-phone

<phone-number>

Command: receiver <receiver-name> mobile-phone <phone-number>
             no receiver <receiver-name> mobile-phone <phone-number>

Function: Add the receiver into the current receiver rule, the no command deletes it.

Parameters: <phone-number>: it is a string with 11 characters; < receiver-name>: it is a string with 16 characters at most.

Default: It is empty as default which means there is no receiver.

Command Mode: SMS Receiver Rule Mode.

Usage Guide: Currently, 8 different receivers are supported in each receiver rule. If addsmore than 8 receivers, it will fail. When deleting the receiver, it will fail if the name or

number does not exist.

After adding or deleting the receiver, the receiver will be added or deleted in sending short message. If the receiver list is empty, the short message will not be sent.

Multiple receivers can be added through using this command more than once. In the same rule, the same receiver cannot be added again (the names can be same, but the numbers must be different).

Example: Add the receiver of admin 18000000000 in the rule. After added this illegal receiver, there will be the prompt of error. Delete this receiver. And delete it again, there will be the prompt of error because this receiver does not exist.

AC(config-sms-rule)#receiver name admin mobile-phone 18000000000

AC(config-sms-rule)#receiver name admin mobile-phone 1800000000

the lenth of the receiver'phone-num is not 11, or the number is not only assembled by digital !

AC(config-sms-rule)#no receiver name admin mobile-phone 1800000000

AC(config-sms-rule)#no receiver name admin mobile-phone 1800000000

The receiver name "admin" telephone-number "18000000000"has not been configured!

1.5 receiver severity [critical| warnings| informational |dubugging]

Command: receiver severity [critical| warnings| informational |dubugging]
            no receiver severity

Function: Configure the severity of the SMS receiver rule. Only the messages with the higher severity than the configured severity or same with it can be sent to the receiver. The no command recovers it to be default configuration of critical.

Parameters: The severity of receiver rule is defined according to the syslog of ADMIN as below:

Critical
Warnings
Informational
Debugging

Default: Critical.

Command Mode: SMS Receiver Rule Mode.

Usage Guide: When sending short message, it will be defined a severity. Only the messages with the higher severity than the configured severity or same with it can be sent to the receiver. The messages will be filtered before being sent.

Example: Configure the severity of SMS receiver rule 1 as debugging, and then recover it to be critical.

AC(config)#sms

AC(config-sms)#receiver rule 1

AC(config-sms-rule)#receiver severity debugging

AC(config-sms-rule)#no receiver severity

1.6 receiver time-range from <start-time> to <end-time> [monday| tuesday| wednesday| thursday| friday| saturday| sunday| weekend| weekday| everyday]

Command: receiver time-range from <start-time> to <end-time> [monday| tuesday| wednesday| thursday| friday| saturday| sunday| weekend| weekday| everyday]

              no receiver time-range [monday| tuesday| wednesday| thursday| friday| saturday| sunday| weekend| weekday| everyday]

Function: This command is used to configure the internal of receiving message for the receiver in the current rule. AC will not send the short message to the receiver out of this internal. The no command recovers it to be default configuration.

Parameters:

start-time	The starting time of the internal, the format is HH:MM and the range is 00:00~23:59.
end-time	The ending time of the internal, the format is HH:MM and the range is 00:00~23:59.
monday	Monday of each week
tuesday	Tuesday of each week
wednesday	Wednesday of each week
thursday	Thursday of each week
friday	Friday of each week
saturday	Saturday of each week
sunday	Sunday of each week
weekday	Working days (from Monday to Friday)
weekend	Weekend (from Saturday to Sunday)
everyday	Every day (from Monday to Sunday)

Default: The short messages can be sent at any time, which means that the start-time is 00:00 and the end-time is 23:59. The parameter of the day is everyday.

Command Mode: SMS Receiver Rule Mode.

Usage Guide: The device provides kinds of commands for user to configure the internal. When the third parameter is configured as everyday, the internal is from Monday to Sunday; weekday or weekend mean that the internal is weekday or weekend; other configurations means that the internal is one day of the week. When AC sends the short

message, it will decides if sends this message to the receiver in the rule according to the internal. When keeps the configuration, it is according to the internal of each day respectively; the configuration of weekday, weekend and everyday will not be kept. If configured 00:00~12:00 of the weekend, the kept configuration or show command will show it into 2 configurations: 00:00~12:00 on Saturday, and 00:00~12:00 of Sunday.

When configures the internal more than once, the last configuration will cover the above. If configured the internal as 00:00~12:00 everyday, and then configured the internal as 12:00~23:59 of Sunday, the configuration will be: 00:00~12:00 from Monday to Saturday, and 12:00~23:59 of Sunday.

If the end-time is earlier than the start-time, the configuration will be failed; AC will print the message of "invalid time".

Example: Configure the internal of receiving message for the SMS receiver rule 1 as 9:00~12:00 everyday.

AC(config-sms)#receiver rule 1

AC(config-sms-rule)#receiver time-range from 9:00 to 12:00 everyday

1.7 sms server ipv4 <ipaddr>

Command: sms server ipv4 <ipaddr>

               no sms server

Function: Configure or update the address of the sms server. The no command deletes the configuration.

Parameters: <ipaddr>: it is the sms server IPv4 address, this IP address should be an effective unicast address.

Default: The IP address is empty.

Command Mode: SMS Configuration Mode.

Usage Guide: If there is no sms server configured on AC, use this command to configure a SMS server on it and create the connection to the appointed server address and port. If the SMS server has been configured on AC, use this command to update the configuration. If the server ip address is changed, AC will cut down the current connection and recreate the connection to the server, the authentication parameters will be deleted at the same time. When using the no command, if the sms server is not created, there will be the prompt of "The sms server has not been created!" without any action. After deleted the sms server, the sms server configuration and the authentication parameters will be cleared. If the TCP connection between AC and SMS server has been existed, the connection will be cut down; the short message will not be sent.

Example: Configure (update) the sms server address as 192.168.1.200, and then use the no command to delete this configuration and delete it again, there will be the prompt: The sms server has not been created!

AC(config-sms)#sms server ipv4 192.168.1.200

AC(config-sms)#no sms server

AC(config-sms)#no sms server

The sms server has not been created!

1.8 sms server authentication username <username> password <password>

Command: **sms server authentication username <username> password <password>**

                   no sms server authentication

Function: Configure the authentication username and password for the sms server. The no command recovers it to be default configuration.

Parameters: <username>: it is the authentication username of the sms server, and it is a string with 64 characters at most; <password>: it is the authentication password of the sms server, and it is a string with 64 characters at most.

Default: Empty.

Command Mode: SMS Configuration Mode.

Usage Guide: If the server is not created, it will fail to configure the authentication parameters. If the configured authentication username and password are same with the current configuration, there is no action. If the configured authentication username and password are changed, the parameters will be modified and the new parameters will be used in the next time to send short message.

Example: Configure the authentication username and password as test and 123 respectively for the sms server. And then recover it to be default configuration (empty).

AC(config-sms)#sms server authentication username test password 123

AC(config-sms)#no sms server authentication

1.9 show sms status

Command: show sms status

Function: Show the configurations of sms.

Parameters: None.

Default: None.

Command Mode: Admin Mode.

Usage Guide: Show the configurations of sms including sms status, server address, port number, server connection status, server authentication name and password.

Example: Show the configurations of sms.

AC#show sms status

Status -------------------------------- Enable

IPv4 address -------------------------- 192.168.1.200

Port ---------------------------------- 80

Server status -------------------------- Connect Failed

Username ----------------------------- test

Password ----------------------------- 123

1.10 show sms receiver rule [<rule-id>] status

Command: show sms receiver rule [<rule-id>] status

Function: Show the configurations of sms receiver rule.

Parameters: <rule-id>: the range is from 1 to 8, it is the ID of the receiver rule.

Default: None.

Command Mode: Admin Mode.

Usage Guide: Show the configurations of sms receiver rule. If the parameter of rule-id is assigned, the detailed information of the rule will be shown. If the parameter is not assigned, only the main information of all the rules will be shown including rule-id and description information.

Example: Run **show sms receiver rule [<rule-id>] status** to show the information as below:

A. The rule-id is not assigned, the main information of all the rules is shown:

AC#show sms receiver rule status

Rule ID   Description

------------   ------------------------------------

1   everyday receiver rule

2   weekday receiver rule

3   weekend receiver rule

B. The rule-id is assigned, the detailed information of this rule is shown as below:

AC#show sms receiver rule 1 status

Rule ID --------------------------------   1

Description ----------------------------   test

Receiver Info -------------------------   admin

                 :   18000000000

Time range ---------------------------   sunday

    :   00:00 - 23:59

                                 monday

    :   00:00 - 23:59

                                        tuesday
  :   00:00 - 23:59
                                        wednesday   :   00:00 - 23:59
                                        thursday   :
  00:00 - 23:59
                                        friday
              :   00:00 - 23:59
                                        saturday   :
  00:00 - 23:59
Severity ------------------------------- Critical