**MM443 mobile phone
Quick user guide**

Note : the phone operates in the GSM 900/1800 MHz WCDMA 900/2100 MHz network.
LTE : 800/900/1800/2100/2600MHz. Before turning on, you must insert at least one SIM card correctly

1 ENTRY

This User Manual has been published by the manufacturer. Corrections and corrections resulting from errors, inaccuracies in current information and improvements to the phone or software may be made without prior notice , but will nevertheless be included in newer versions of the user manual. More information and assistance can be obtained by visiting the website: www.maxcom.pl. The manufacturer reserves all rights to the content contained in this manual.
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2 TECHNICAL SPECIFICATIONS

- Color display: 2.31" QVGA 240x320,
- Large backlit keys
- SOS button (Emits an alarm and automatically calls and sends SMS to previously defined numbers)
- Speed dial numbers (3-9)
- Simple Menu, large font, can be enlarged
- Hands-free function
- Phone book -1000 entries
- Function of sending and receiving SMS and MMS
- FM radio, voice recorder, audio file player (MP3 / MIDI / WAV)
- Video player (3GP/ AVI /MP4)
- Flashlight, calculator, alarm clock
- RAM + ROM: 48MB+128MB
- Dual SIM :Nano SIM + Nano SIM
- card support : up to 32GB
- mAh battery
- Standby time: 330h (1 SIM)/260 (Dual SIM)*, talk time: 4h*
- Weight of the handset with battery: 110g
- Dimensions: 132.1x58.4x14.19
*depending on conditions and mobile network signal

3 CONTENTS OF THE SET

- Mobile phone
- Charger
- Desktop charger
- USB cable
- Battery
- Quick start guide

Note : it is recommended to keep the packaging, it may be useful for possible transport. Please keep the receipt, it is an integral part of the warranty.

4 ACCESSORIES

Use only batteries, chargers and accessories recommended by the manufacturer of this phone. Check what accessories are available from your seller.

5 TERMS OF USE AND SAFETY

Note : Please read the following rules to minimize the risk of misuse of your phone.
- USE: the phone emits an electromagnetic field that may have a negative impact on other electronic devices, including medical equipment.

- You must not use the phone in areas where it is prohibited, e.g. in hospitals, airplanes, at gas stations or near flammable materials. Using your phone in such places may expose other people to danger.
- Do not use your phone without the appropriate kit while driving.
- The device and its accessories may contain small parts. Keep the phone and its components out of the reach of children.
- SERVICE: do not make any repairs or modifications yourself, any faults should be removed by a qualified service.
- CLEANING: the phone must not be cleaned with chemical or corrosive substances.
- FLASHLIGHT: do not look directly into the light beam.
- HEARING AID: if the user has a hearing aid, carefully adjust the telephone volume and set the hearing aid sensitivity appropriately.
- ELECTRONIC MEDICAL EQUIPMENT: your phone is a radio transmitter that may interfere with the operation of electronic medical equipment or implants such as hearing aids, pacemakers, insulin pumps, etc. It is recommended to maintain a minimum distance of 15 cm between the phone and the implant. You can seek any advice on this matter from your doctor or from the manufacturers of this type of equipment.
- ELECTRONIC EQUIPMENT: To avoid the risk of demagnetization, do not leave electrical devices near your phone for long periods of time.
- WATER RESISTANCE: The phone is not waterproof. Please keep it in a dry place.
- DUST-PROOF: the phone is not dust-proof, do not use the phone in an environment with increased dust.
- DISPLAY: avoid putting too much pressure on the LCD display and using sharp tools, as this may damage it.
- Do not short-circuit the battery terminals with metal objects as this may result in explosion.
- The device must not be exposed to low or high temperatures, direct sunlight or high humidity. The device must not be placed near a heating installation, e.g. a radiator, radiator, oven, central heating stove, fireplace, grill, etc.
- Protect your hearing!
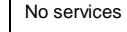
  Prolonged exposure to loud sounds may damage your hearing. Listen to music at a moderate level and do not hold the device close to your ear when using the speaker.
- If the device does not work properly, have it repaired at the nearest authorized service center or file a complaint with the seller. The manufacturer is not responsible for defects caused by the user as a result of improper use or non-compliance with the operating instructions.

6 DISPLAY DESCRIPTION

12:00
17.02.2024 Sat
OPERATOR 1
OPERATOR 2

Menu   Contacts

1. Icons showing functions (table below).
2. Time
3. Date
4. Operator name
5. Description of function keys

Icon	Meaning	Icon	Meaning
Network signal		No SIM card/SIM card error	
No services		Lack of coverage	
VoLTE	VoLTE service active	LTE	LTE coverage
3G/ G	3G/2G coverage		Airplane mode
	New SMS/ MMS		A missed call

Icon	Meaning	Icon	Meaning
	Vibrate only (meeting profile)		Muted (silent profile)
	Active profile "Outdoors	R	Roaming active
	Alarm active		Call forwarding enabled
	Battery full		Battery discharged

Icons may vary depending on software version

* The icon **R** also appears in national roaming when the subscriber uses the network of another operator

7 PHONE DESCRIPTION
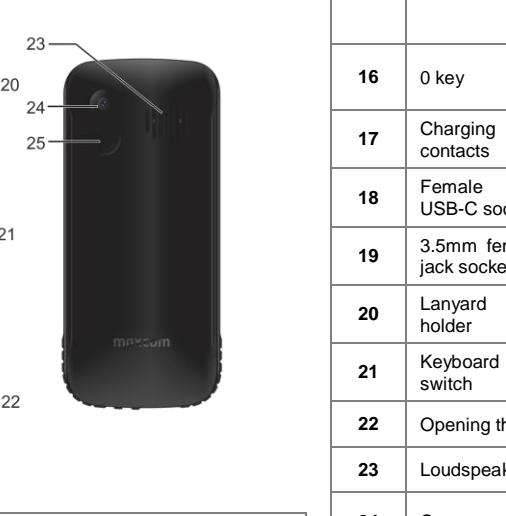
#	Name	Description
1	+/- key	Volume up/down. Mute the ringtone during an incoming call
2	Flashlight	LED diode emitting white light
3	Call loudspeaker	Active during conversations
4	Display	It displays ongoing processes on the phone in real time
5	Navigation key up	To move up through the displayed content on the display
6	Left function key	Performs the tasks described in the lower left part of the display
7	Right function key	Performs the tasks described in the lower right part of the display
8	Green handset	Answering incoming calls/call log

#	Name	Description
9	Red handset	Press: reject/hang up calls, exit to desktop. Press and hold: turn the phone on/off
10	Navigation key down	To navigate down through the displayed content on the display
11	Numeric keyboard	Allows you to enter numbers/characters. Key 1 – press and hold to call your voicemail. Key 3-9 – press and hold to call a previously programmed speed dial number,
12	Key 2 / ICE	Press and hold to display the ICE "In Case of Emergency" Menu
13	Microphone	
14	✱ key	To move left through the displayed content on the display. Pressing while editing text allows access to special characters,
15	Key #	To move right through the displayed content on the display. Pressing while editing text allows you to change the input keyboard. Press and hold to quickly change the profile i.e. normal / silent / meeting.
16	0 key	Press and hold to turn the flashlight on/off. Camera - take a photo, start/pause video recording
17	Charging contacts	Allows charging using a desktop charger
18	Female USB-C socket	It allows you to charge the phone's battery and connect it to a computer via a USB-C cable
19	3.5mm female jack socket	Allows you to connect a headset
20	Lanyard holder	Allows you to mount a lanyard
21	Keyboard lock switch	To lock/unlock swipe up/down
22	Opening the battery cover	
23	Loudspeaker	Active for multimedia/ringtones
24	Camera	Allows you to take photos/videos
25	SOS key	Press and hold: trigger the SOS procedure

## 8 PREPARING YOUR PHONE

8.1 INSTALLING THE SIM CARD , SD CARD AND BATTERY

The phone supports nano SIM cards (4FF). Using other SIM cards may damage the card or phone. You will receive a SIM card from your operator. Keep the SIM card out of the reach of children. Any abrasion or bending can easily damage the SIM card, so be especially careful when inserting, removing and storing it.
Note : Do not insert or remove the SIM card while the phone is connected to the charger. Before removing the battery from your phone, make sure your phone is turned off.
Insert the SIM card into the slot with its gold-plated connectors facing down, optionally install a long SIM card or a microSD memory card . Install the battery. See the drawings below:

3b   SIM 2
3a   SIM 1
MICRO SD 4
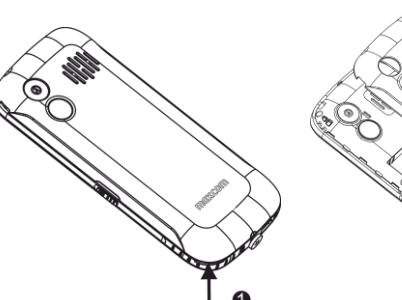
Connect the cable plug to the USB Type-C port on the phone and the other USB connector to the power supply. Plug the power supply into a power socket .

The Maxcom logo and the charging battery icon will appear on the display. This will be a sign that the battery is properly connected and therefore the charging process has started.
When the battery is charged, the message "Charging completed" will appear on the display and the icon showing the battery charge level will stop flashing in the notification bar.

If the battery is discharged, the phone will automatically turn off. Do not leave the battery discharged for a long time, otherwise it may adversely affect its quality and service life.

Attention! In order not to damage the battery and the phone, you should: check that the battery is installed correctly before charging and do not remove the battery during the charging process. In case of long-term discharge, after connecting the battery to charge, wait a few minutes before turning on the phone. The battery must not be stored near heat sources. Overheating can cause physical damage to the battery.

8.2.1 DESKTOP CHARGER

First, connect the USB-C cable to the desktop charger, and then connect the power supply to the mains socket. The phone should be inserted into the charger so that the contacts located at the bottom of the housing align with the contacts located in the desktop charger.

8.2.2 LOW BATTERY WARNING

When the battery is low, the phone will alert you to the need to connect to charge with the message "Low battery" and with an acoustic signal (if warning sounds have been enabled in the profile).
To disable/enable the warning sound, go to:
MENU>Settings>Profiles>Options>Settings>Other notification sounds> Low battery warning

9 TURNING THE PHONE ON AND OFF

To turn on the phone, press and hold the red handset key. After a while, the display should light up. After switching on, the display will show a field for entering the PIN code (if SIM card security is enabled). After turning on, the phone automatically searches for the network. If the phone detects an authorized network, the signal strength symbol will appear on the screen. If the network is not found, you can only make emergency calls or use non-communication functions.
To turn off the phone, press and hold the red handset key and then confirm by pressing the OK key.

10 SECURITY CODES

10.1 PIN CODE

This is your SIM card's private identification code and is provided by your operator.
The PIN2 code is provided by the operator with the SIM cards.
Some SIM cards do not support this code.
Entering the incorrect PIN code 3 times in a row will block the SIM card. It can be unlocked using the PUK code. For more information about this, please contact your network operator.

10.2 PHONE LOCK

The phone lock code prevents others from using your phone without authorization (the original phone code is 1234) .

8.2 CONNECTING THE POWER SUPPLY AND CHARGING THE BATTERY

To ensure proper operation of the phone, use only the charger and battery recommended by the manufacturer. Using a battery from a third-party source may damage the phone and void the warranty.
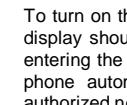
Using your phone code, you can block others from using selected settings on your phone.

11 KEYBOARD LOCK

To lock/unlock the keyboard, use the slider on the right side of the phone by moving it to the opposite position, i.e. up/down. You can also use the following method to lock/unlock the keyboard. Press the left function key (MENU/Unlock) and then ✱.
During an incoming call, there is no need to unlock the keypad.

11.1 AUTOMATIC KEYPAD LOCK

To enable automatic keypad lock, select:
MENU > Settings > Security > Auto keyboard lock.
Then select the length of inactivity time after which the keyboard will be automatically locked and confirm the selected position with the left function key "OK".

12 ENTERING TEXT

To write text, press the appropriate key until the desired letter is displayed.
Spacebar – press the 0 key.
Period, comma and other characters – press the 1 key several times.
To enter a symbol or special character, press ✱.
You can change the input method by pressing the # key. Available are:
- Abc – after the dot a capital letter,
- abc –lowercase letters,
- ABC – capital letters,
- 123 – digits.

13 MAKING CALLS

In standby mode, enter the phone number you want to call.
Press the right soft key "Delete" to delete invalid data entered.
Once you have entered the correct number, press the green handset
1. Dialing extensions.
Some extensions cannot be reached directly and it is necessary to first call the telephone exchange or trunk and then dial the extension number.
2. Making an international call .
For international calls, you must enter "00" or "+" before the number. To enter "+" use the "✱ " key .
3.Dialing a number from the phone book .
Enter Contacts via the menu, use the Up/Down navigation keys to find a contact or enter part of the name you are looking for. Press the green handset
4. Dialing a number from the call history .
Enter the Call Log (press the green handset in standby mode or enter via the menu), use the Up/Down navigation keys to select the desired contact.
5 Speed dialing – keys 3-9
In standby mode, press and hold the appropriate key to make a call.

13.1 ANSWERING CALLS

To answer an incoming call, press the green handset
To reject an incoming call, press the red handset

14 ICE CONTACTS

You can dial up to 5 emergency numbers.
Additionally, this feature allows you to provide personal and medical information that may be helpful to rescuers.
To add/remove/edit a contact, hold down the 2 ICE key > select ICE Contacts > select which item you want to change, press the left soft key Options, edit, delete or import the number from contacts and press "OK"

To add information about the owner, hold down the 2 ICE key , select Information about the owner, then complete: Name, Suffers from, Allergies, Blood type and confirm with the OK button

15 SOS BUTTON

You can enable or disable the SOS button. To do this, select Menu > Settings>SOS > Status>Enable/Disable.

To activate the SOS procedure, with the display illuminated, press and hold the SOS button
The phone will trigger an alarm (if enabled), send an alarm SMS (if enabled in SOS options) and automatically call the numbers provided in the ICE contacts section . If ICE contacts have not been added, the call will be made to the emergency number 112. If SOS was activated accidentally, press the red handset or the right function key "Back"
Remember! If you receive a voicemail while trying to make an emergency call to a given number, the phone will assume that the call has been established and the SOS procedure will end.

15.1 SOS MESSAGE

You can enable or disable sending SOS messages in emergency mode. To do this, select Menu >Settings> SOS >Send SOS SMS >Enable/Disable
You can change the text of the SMS message that is sent in the alarm procedure. By default, the text is: *"Alarm SMS! Call me ".* To change the content of your SOS message, select:
Menu >Settings>SOS>SOS SMS message. Enter the correct text and press Save.

15.2 DISABLING THE SOS ALARM

You can turn on/off the alarm sound when making an SOS call. To do this, select: Menu >Settings> SOS>SOS Alarm> Enable/Disable.

16 EMERGENCY NUMBER

You can directly dial the emergency service number 112 without a SIM card. The number 112 is the European Emergency Number.

17 SAVING CONTACTS

In standby mode, select the desired number (or select from the call list) >press the Options key >Add to contacts, press OK, select where you want to save (as a new contact, or add the number to an existing contact, select the memory (Phone or SIM) and enter the contact name >Save
If you have chosen to save the contact on your phone, you can add a photo, an additional number, or change the ringtone.

18 SIMPLE DIALING

To assign a number to a key, in MENU select :
Contacts>Options>Other>Speed dial>OK
Select which key you want to assign a number to and press OK
Enter the number or select a number from your contact list, press OK to save

19 SMS AND MMS MESSAGES

The phone allows you to send and receive SMS text messages and MMS multimedia messages . When the icon appears on the screen, ✉it means that there is at least one unread message.
To enter **the SMS messages MENU**, select Menu>Messages>Inbox in standby mode. When your inbox is full, you will see a message saying your message memory is full. Delete messages from your inbox to resolve the issue.

19.1 WRITING AND SENDING MESSAGES

1. In the Menu, select Messages
2. Select Write message
3. Add a contact from your phone book or enter the desired number
4. Press the DOWN key to go to message entry, enter your message.
5. Press Options>Send
If you want to send a message to several people, when entering the number, add another number after a semicolon or add numbers saved in the phone book.
To save the message, press Options> save as message . draft (the message will be saved in the Drafts folder).
Press Options>Add to insert information about a contact saved in the phone book, add a photo, add an emoticon, insert a template, etc.

19.2 READING AND RESPONDING

When the unread message icon appears on the display or you want to read received messages, select in the MENU:

Messages>Inbox>Search for the desired message
Press the Options key:
- Show – display the message,
- Reply – sending an SMS/ MMS message to the sender,
- Delete – delete the current message,
- Delete all – delete all messages from the inbox,
- Call – making a call to the sender,
- Move – change where messages are stored,
- Mark – ability to mark selected messages,
- Sort – change the message sorting category,
- SMS export – ability to export messages to another folder,
- Add sender to – ability to add a sender to the phone book,
- Delete from the same number – select and delete messages from one sender,
- Add to blacklist – the ability to add a number to the blacklist, which will result in blocking calls and text messages for this phone number.

19.2.1 MESSAGE SETTINGS

Enter the MENU and select: Messages>Settings>SMS/ MMS
You can set message center, message importance, on/off. delivery reports, on/off save sent messages, choose where to save messages , etc.

20 VOICEMAIL

Voicemail is an operator service that allows us to leave voice recordings when someone fails to reach us. To find out more, please contact your operator. You may receive your voicemail number from your service provider. Select the number: Menu > Messages > Voicemail server, then enter the voicemail number.
After holding down key 1 on the keyboard in standby mode, the voicemail will be activated.

21 TONGUE

MENU>Settings>Phone>Menu language
Allows you to change the language of the phone menu. If you accidentally set a foreign language, to change to the correct one, press in standby mode
-Left function key
-2x Top
- APPROX
- 1x DOWN>OK
- 1x DOWN>OK>OK
select the correct language and press OK.

22 BLACK LIST

MENU >Settings >Security >Blacklist>Blacklist settings:
- Block calls
- Block messages
When the option is activated and numbers are added to the blacklist, the phone automatically rejects calls and/or text messages from numbers entered on the list.
To quickly add a number to the blacklist, select the desired number from the call log and press Options>Add to blacklist
To check what numbers are on the blacklist, select:
MENU >Settings >Security >Blacklist >Blacklist
To remove from the blacklist, select a given number in the Blacklist>Options>Delete

23 AIRPLANE MODE

To enable/disable Airplane mode (mobile network services disabled), select:
MENU>Settings>Calls>Dual SIM>Standby mode>Airplane mode

24 DUAL SIM

MENU>Settings>Connections>Dual SIM
You can choose which card(s) are to be active, the name of the SIM card and which SIM card is to be set to reply by default.

25 PHONE PERSONALIZATION

25.1 SOUND PROFILES

To change sounds, select: MENU > Settings > Profiles > Options > Settings

To quickly change the ringtone volume in standby mode, use the side volume keys to set the volume from 0 to 9 (volume cannot be changed in Silent and Meeting modes)

To quickly change the call volume, use the side volume keys during a call to set the volume from 1 to 9, the settings will be remembered for the future.

25.2 FONT SIZE

To change the menu font size select:
MENU >Settings >Display >Font size

25.3 SETTING SHORTCUTS

MENU>Settings>Phone>Shortcut settings
You can change the default shortcut settings for the UP and DOWN navigation keys

26 SOFTWARE UPDATE

To check for updates, select MENU >Settings >Check for updates.
Data transmission must be enabled (MENU > Settings > Network > Data transmission). If data transmission is turned on, the phone can be constantly connected to the Internet and automatically check for updates. In order to avoid additional costs, it is recommended to use additional data packages or tariffs available from the Operator.

27 BATTERY INFORMATION

The phone has a battery that can be recharged using the charger included in the set.
The operating time of the phone depends on various operating conditions. The shorter work time is significantly influenced by how far we are from the relay station and the length and number of conversations. While moving, the phone constantly switches between relay stations, which also has a significant impact on the operating time.
After several hundred charges and discharges, the battery naturally loses its properties. If you notice a significant loss of performance, please purchase a new battery.
Only use batteries recommended by the manufacturer. Do not leave the charger connected for longer than 2-3 days.
Note : Do not keep the phone in places with too high temperatures. This may have a negative impact on the battery and the phone itself.
Never use a battery with visible damage. This may result in a short circuit and damage to the phone. The battery must be inserted according to polarity.
Leaving the battery in places with excessively high or low temperatures will reduce its service life. The battery should be stored at a temperature of 15°C to 25°C. If a cold battery is inserted into the phone, the phone may not function properly and there is a risk of damage.

28 ENVIRONMENTAL INFORMATION

Note : This appliance is marked in accordance with European Directive 2012/19/EU with the crossed-out waste bin symbol.
Such marking informs that this equipment, after its period of use, cannot be disposed of with other household waste.
Note : this equipment must not be disposed of as municipal waste!!! The product should be disposed of through selective collection at points prepared for this purpose.
Proper handling of waste electrical and electronic equipment helps to avoid harmful consequences for human health and the natural environment resulting from the presence of hazardous components and improper storage and processing of such equipment . To enable the recycling of materials used in the production of phone packaging, apply the rules for sorting materials established locally for this type of waste.

The set includes a Li- ion battery . Used batteries are harmful to the environment and should be stored at a specially designated point, in an appropriate container, in accordance with applicable regulations. Batteries and accumulators must not be disposed of as municipal waste, they should be taken to a collection point.
DO NOT THROW BATTERIES OR ACCUMULARS INTO FIRE!

29 SAR INFORMATION

This model meets international guidelines for exposure to radio waves. This device is a transmitter and receiver of radio waves. It is designed not to exceed the limits for exposure to radio waves recommended by international guidelines. These guidelines were developed by the independent scientific organization ICNIRP and include a safety margin to ensure the protection of all persons regardless of age and health. These guidelines use a unit of measurement called Specific Absorption Rate (SAR) – specific absorption. The SAR value is measured at the highest transmitting power, the actual value when the device is operating is usually lower than the level indicated above. This is due to the device's power level automatically changing to ensure that the device uses only the minimum required to connect to the network.
While there may be differences in SAR values between phone models and even different use positions, they all comply with safe radiation level regulations.
The World Health Organization has stated that current research has shown that there is no need for any special restrictions on the use of mobile devices. He also emphasizes that if you want to reduce the impact of radiation, you should limit the length of conversations or use a headset or loudspeaker during the conversation so as not to hold the phone close to your body or head.

Highest measured SAR value in tests		Limit
SAR - head-mounted device	0.953 W/kg 10g	2.0 W/kg
SAR - device at the torso (distance 5mm)	0.856 W/kg 10g	2.0 W/kg
SAR coefficient - device at the limb (distance 0mm)	1.351 W/kg 10g	4.0 W/kg

SAR values may also vary depending on national reporting and testing requirements and the frequency band of the network

30 FREQUENCY RANGE AND MAXIMUM POWER OF THE DEVICE

System	frequency range	Maximum emitted power
GSM 900	880 -915MHz	34.38dBm
GSM1800	1710-1785MHz	31.50dBm
WCDMA Band I	1920-1980MHz	23.63dBm
WCDMA Band VIII	880-915MHz	23.59dBm
LTE Band 1	1920-1980MHz	23.33dBm
LTE Band 3	1710-1785MHz	23.36dBm
LTE Band 7	2500-2570MHz	22.83dBm
LTE Band 8	880-915MHz	23.53 dBm
LTE Band 20	832- 862MHz	23.29dBm
Communication short range	2402-2480MHz	3.08 dBm
FM radio	87.5MHz -108MHz	-

30.1 CHARGER

The external power supply for the phone complies with Commission Regulation (EU) 2019/1782

Model ID	Travel Charger DCS38-050050E
Input voltage	AC 100-240V
AC input frequency	50/60Hz
Output voltage	DC 5.0V
Output current	0.55A
Output power	2.75W
Average efficiency during operation	70.6%(230V) 73.47%(115V)
Efficiency at low load (10%)	-
Energy consumption in no-load condition	0.04W(230V) 0.06W(115V)

31 SIMPLIFIED EU DECLARATION OF CONFORMITY

Maxcom SA hereby declares that the type of radio device:
MAXCOM MM443 mobile phone
complies with Directive 2014/53/EU and Directive 2011/65/EU (RoHS)
The full text of the EU declaration of conformity is available at the following internet address:
http://www.maxcom.pl/deklaracje

Note This manual is for informational purposes only. Some of the features and options described may vary by software and country.
If technical support is required, we recommend contacting the technical department at 32 325 07 00 or email serwis@maxcom.pl
Our website: http://www.maxcom.pl/

Proper operating conditions of the phone and battery depend on the local network environment, SIM card, and phone usage.
The manufacturer is not responsible for any consequences caused by incorrect use, abuse or failure to follow the instructions.
The manufacturer reserves the right to change or introduce changes without notice.

CE