TecIdentify

User Documentation

User Guide for Barcode Checking

TecIdentify Version 1.2

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Text and diagrams were prepared with the greatest of care. Nevertheless it is not possible to exclude errors in this user handbook.

The authors and the publisher appreciate any suggested improvements and information on errors.

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1   Introduction

Product Counterfeiting in the Automotive Business

The increasing globalization and the accompanying know-how transfer, the increasing acceptance of counterfeit goods because of the significant cost difference and the inability of customers to differentiate original parts from counterfeits – these provide the fuel for an explosive growth in the number of counterfeit parts.

Counterfeit automobile parts are not just a danger in traffic on the road. They also cost the replacement auto part market between five and ten billion Euros per year. They are illegal and they hurt everyone in the business – from the manufacturer to the driver of a vehicle.

TecCom GmbH was given the task by CLEPA (CLEPA stands for the European association of automotive suppliers) to develop TecIdentify. This solution supports market participants in the fast and simple identification of original parts and counterfeits carrying the CLEPA security code.

TecCom operates the leading business-to-business platform for the independent international automotive aftermarket. This shortens, simplifies and automates order processing between part manufacturers and wholesalers – whether in online dialog, with EDI or CAP. Additional solutions to optimize electronic business processes include synchronization of price, article and logistics data, stock planning and disposition, generation and sending electronic invoices in conformance with the law and handling of warranty cases.

1.1 The CLEPA Code

The CLEPA Code is a standard for the independent automotive aftermarket that has been recommended by the European association of automotive suppliers. It is certified by GS1 and ISO and hence based on global standards.

The CLEPA Code is a two-dimensional data matrix code. A 2D code does not consist of lines like a one-dimensional code but of groups of squares or lines on a rectangular or square surface. Because of the second dimension 2D codes can encode substantially more information in the smallest space. In addition errors reading CLEPA codes are practically excluded. The code is readable even if it has been partially damaged.

EAN Barcode (1D-Code)   CLEPA Code (Data Matrix Code)
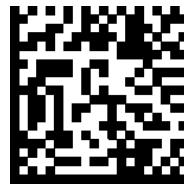
Just like a fingerprint can be assigned to just one person, a CLEPA Code can be assigned to exactly one product or package.

With this unique product identification, a new tool is now available to fight against product counterfeiting; it can be used by all market participants.

1.2 General Description of How TecIdentify Works

TecIdentify is an authentication platform for products carrying the CLEPA security code.

Using this solution anyone who wants to authenticate an article (i.e. customs, garage, wholesaler, manufacturer or end customer) has a simple way to check that a product is genuine – anywhere in the world, around the clock, seven days a week.

By using a PC and its keyboard or a 2D scanner or a mobile phone with camera, the CLEPA Code can be read in and sent off to the authentication center. There the code will be checked and the result sent back to you right away.
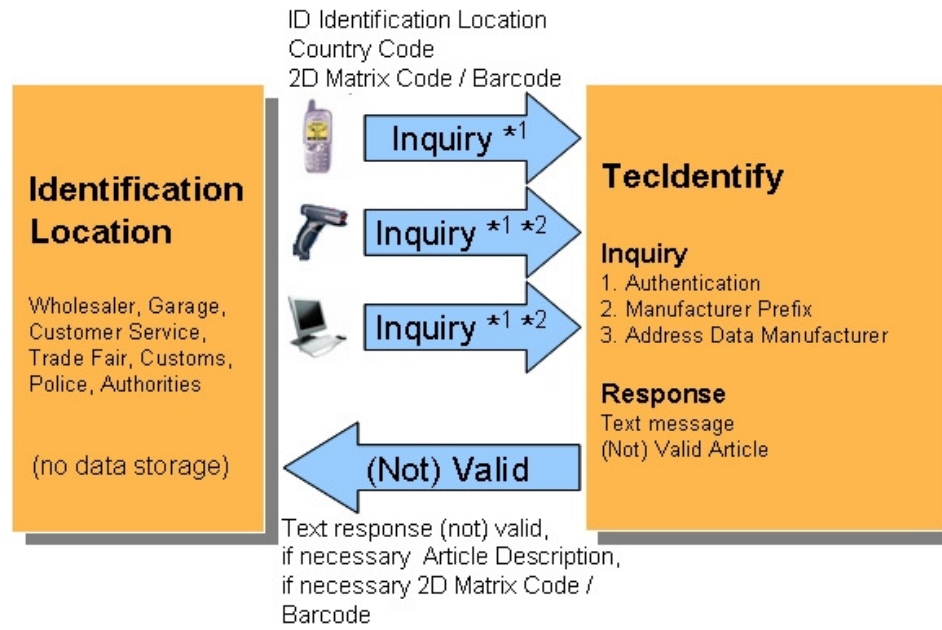
This way a user can be sure he has an original part.

If the result is not positive he can report it to the manufacturer immediately.

1.3 The Process in Detail

The security does not lie in the code but in the checking process that TecIdentify carries out. Intelligent algorithms are executed to check the code.

ID Identification Location
Country Code
2D Matrix Code / Barcode

Identification Location

Wholesaler, Garage, Customer Service, Trade Fair, Customs, Police, Authorities

(no data storage)

Inquiry *1

Inquiry *1 *2

Inquiry *1 *2

(Not) Valid

Text response (not) valid, if necessary Article Description, if necessary 2D Matrix Code / Barcode

TecIdentify

Inquiry
1. Authentication
2. Manufacturer Prefix
3. Address Data Manufacturer

Response
Text message
(Not) Valid Article

*1 without / *2 with Authorization

2 The TecIdentify Web Query

You can find the starting page at the URL www.tecidentify.com. The solution has been optimized for IE7 and FireFox 3. The language in the display depends on your browser setting. Currently TecIdentify is available in German and English.

In the field **Barcodes:** you can enter your code. There are different ways to do this:

- You can scan in the barcode with the help of a scanner. The scanned-in barcode is now displayed in the barcode field.
  - o The scanner must be set up so that it can read GS1 barcodes. If you have questions about the settings of your scanner please contact the scanner manufacturer.
- You can type the code into the barcode field using a keyboard.

After you have entered one or more barcodes, push the **[Check Barcodes]** button.

The barcode will now be checked and the result of the check will be sent to you immediately.

The following describes the procedure in detail.

2.1 Login

On the homepage click on the **[Login]** button to log in to the system.

The page *TecIdentify Login* will appear. (In the following text "Page" may also be called "Dialog.")

Enter your user name and password in the fields and then click on the **[Login]** button.

TIP!
Register now with TecIdentify.
You can also find an introduction on the TecIdentify Web page.

You are now logged in. You can see this because the **[Login]** button has turned into a **[Logout]** button. Also the left navigation menu has been expanded.

When you want to log out later, click on the **[Logout]** button.

If you are inactive for 20 minutes you will be logged out automatically.

2.2 The Query Results

This dialog appears immediately after you have entered your barcode on the homepage and clicked on the **[Check Barcodes]** button. It shows the result of your check query.

On this page the result of your inquiry will be displayed.

Different results can be displayed in the status column.

There is a color code structured like a stoplight so that you can see the results at a glance.

The colored dots normally tell you the following about the scanned product:

Your product is an original part.

Your product could be an original part.

Your product is not an original part.

ATTENTION!
The manufacturer can change the stoplight colors and the texts in the status column individually!
Please be sure to read the texts carefully!
If you scan codes that might be recognized as dangerous (i.e. from a hacker attack), your code will not be checked. Depending on the danger level a warning or error page will be displayed.

2.3 Report a Problem Code

The **[Report a problem]** button is displayed. From the text you can see which problems have occurred.

Report the problems that occurred to the manufacturer.

ONE SOLUTION FOR ALL PARTS | Home | Imprint | Contact | Login
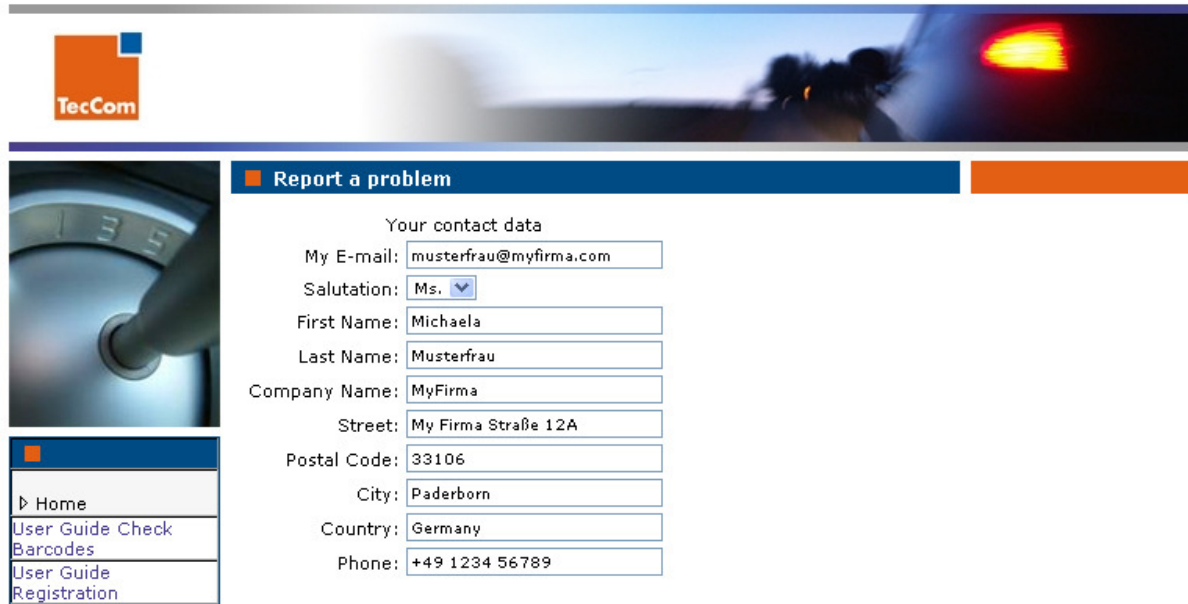
Report a problem

Your contact data

My E-mail:	musterfrau@myfirma.com
Salutation:	Ms.
First Name:	Michaela
Last Name:	Musterfrau
Company Name:	MyFirma
Street:	My Firma Straße 12A
Postal Code:	33106
City:	Paderborn
Country:	Germany
Phone:	+49 1234 56789

▷ Home
User Guide Check Barcodes
User Guide Registration

Make use of the option to provide additional product details. You support the manufacturer to process the information quicker.

Clepa-Code	Product Description	Buy Date	Point of Purchase
]d20114399901959689 975 2127X7FD7B16CD	Brake pads	24.11.2008	München
(01)14399901959689 (10)SDFG21 (21)34B7FD7B9689	Clutches	20.11.2008	Ismaning

Enter the code shown:
jut

Send   Cancel

Please fill out the displayed fields so that the manufacturer can respond to the results.

Your contact data:

My E-mail (required): Enter e-mail address here.

Salutation (required): Select your title.

First Name (required): Enter your first name here.

Last Name (required): Enter your family name here.

Company Name (required): Enter the name of your company here.

Street (required): Enter the street name and house number of your company here.

Postal Code (required): Enter the postal code of your company.

City (required): Enter the city where your company is located here.

Country (required): Enter the country where your company is located here.

Phone: Here you can enter the telephone number at which you can be reached.

Tip:
So that you do not have to enter your contact information every time, you can register at TecIdentify. The "Register" button is on the homepage.
You can find an introduction on the TecIdentify Web page!

Once you have registered you do not need to enter your contact information when logged in. The system will do this for you, saving you a lot of time.

CLEPA-Code: Here you will find the checked code that you entered.

Product Description: You can give the name of the product you bought.

Buy Date: When did you buy the product?

Point of Purchase: Where did you buy the product?
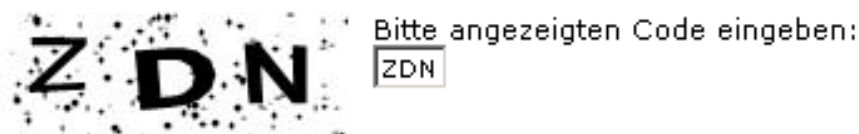
A captcha (picture above) helps to avoid spam attacks; the picture is different each time.

Enter the code shown: Enter the three characters from the picture (in this example ZDN).

After you have entered all the data click on the **[Send]** button.

The final page will appear.

ONE SOLUTION FOR ALL PARTS

Home | Imprint | Contact | Logout
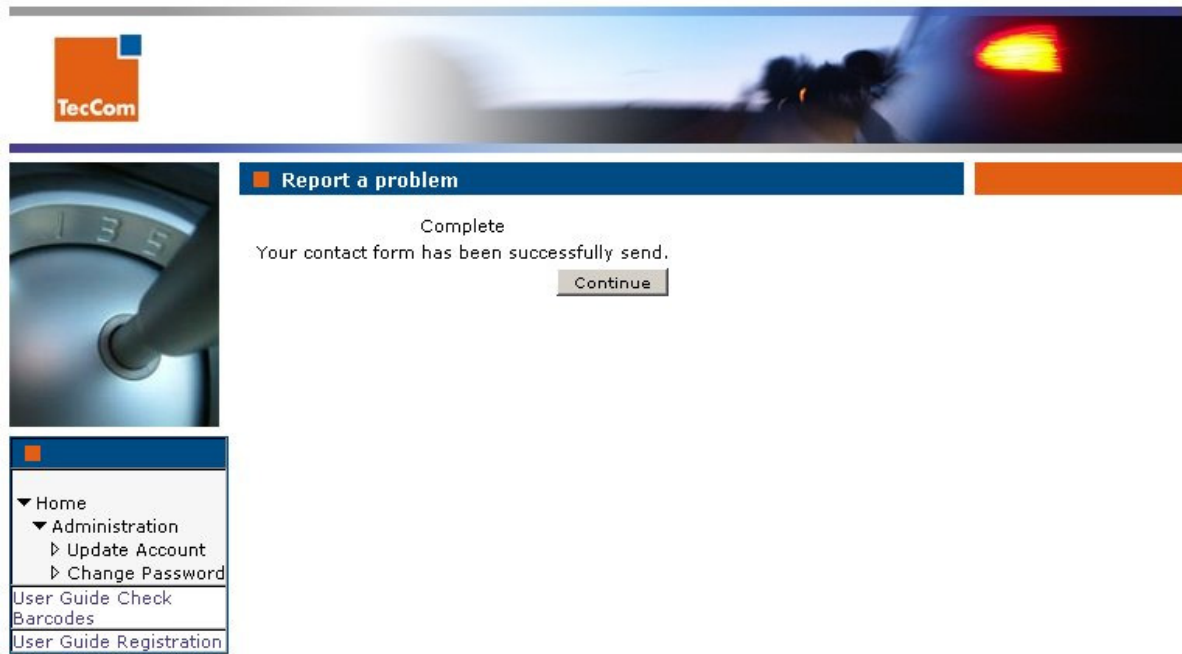
TecCom

■ **Report a problem**

Complete
Your contact form has been successfully send.

Continue

▼ Home
▼ Administration
  ▷ Update Account
  ▷ Change Password
User Guide Check Barcodes
User Guide Registration

After you have clicked on the **[Send]** button, the confirmation page above will appear.

Many thanks for reporting a problem.

The process has now been completed. By clicking on the **[Continue]** button you can return to the homepage.

3   Query with a Mobile Phone

3.1 What do I need to read barcodes with a mobile phone?

You need a mobile phone with Internet function (WAP, UMTS, GPRS, …) and a built-in camera.

You can get the mobile phone software free of charge from the company NeoReader.

You can see which mobile phones can scan CLEPA Codes on the Internet at www.tecidentify.com.

To install the software turn on your mobile phone. Open the Internet browser of your mobile phone and enter the URL http://get.neoreader.com . Follow the screen instructions and download the NeoReader version suitable for your mobile phone.

3.2 The Barcode – Query with the Help of a Mobile Phone


- Turn on your mobile phone..
- If necessary open the cover of the camera..
- Start NeoReader.

- Hold the camera about 10 to 15 centimeters above the 2D barcode until the mobile phone has read in the code.

- You will hear a signal tone.

- If the code cannot be read in automatically, hold the mobile phone above the code.

- When the picture is in focus push on the [Click] button. The NeoReader shoots a photo; it then tries to find the CLEPA Code in the picture and interpret it.

- If your mobile phone has read in the code successfully, the scanned-in code will appear in the display.

- If the vertical line in the display is at the [Continue] button, push the [OK] button to send the code to TecIdentify so that it can be checked.
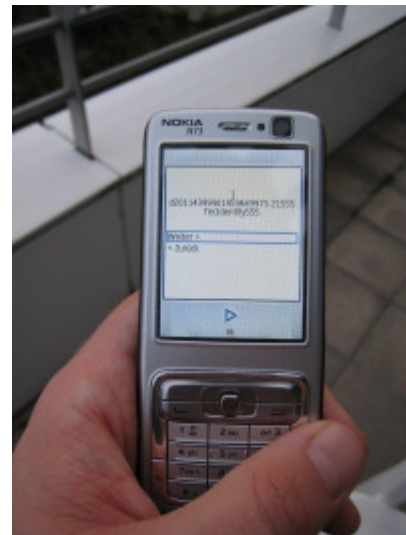
- An Internet connection is established,

- The code is sent to TecIdentify and

- The result is sent back.

The time to establish the connection and transmit can vary depending on the transmission method (WAP, UMTS; GPRS, ...).

- The result of the check is shown in the display.

1. At the top is the code sent,

2. Under it is the stoplight color analog to the answer on the Internet page and

3. Underneath that you see the corresponding answer text.

- Push the [Back] button to leave the Web page.

- Depending on the mobile phone type, you need to close the browser to return to the NeoReader. Push the [Close] button to exit from the Internet function of your mobile phone.

- Push the button you use to end a call in order to close the NeoReader.

TecCom Helpdesk

If you need support in using TecCom solutions, please contact the TecCom Helpdesk:

Opening hours: Monday through Friday from 8:00 to 18:00

Telephone: +49 (0)1802-TECCOM*

01802-83 22 66* (for customers in Germany)

+49 1805-65 65 56 (for customers outside Germany)

*0.06 Euros per call from a German land line

E-Mail: support@teccom.de

Visit us on the Internet at: www.teccom.de

NeoReader Helpdesk

Telephone: +49 2405 49922-50

E-Mail: support@mobiledigit.de