

# entervo.online-validation

## The Next Generation of Validation Solutions

### At a glance

Dispatching vouchers and creating customer loyalty campaigns is a tedious process for many parking operators.

entervo.online-validation changes the game by providing online services with a high degree of user friendliness.

The cloud-based service allows parking operators to independently set-up contracts with retailers and to create validation products they want.

The validations are easily applied using internet-connected devices, e.g. smartphones with the provided app.

All validations are stored online in the connected entervo parking management solution.



### Details

#### Situation Today

- Offline validators are costly investments
- Existing solutions (coupons, offline validators) require manual handling and monitoring
- Paper coupons require additional control to avoid fraud

#### Advantages for Operators with entervo.online-validation

- More flexibility in validations than with conventional hardware validators
- No costs for proprietary hardware or network since browsers, smartphones and internet are used instead
- Full control over validation usage by a transparent reporting system
- Easy onboarding of retailers for validations ensures revenue increase

#### Advantages for Retailers with entervo.online-validation

- Marketing through parking discounts
- Easily applicable validations via smartphone app or cloud-based validation web portal

- Self-management of validations and their usage with existing internet-connected hardware, e.g. personal computer, tablet PC or smartphone
- Full control over validation usage
- Transparent reporting

#### Key Features

- Centrally hosted cloud solution
- Online management of retailers, validations and business rules for validations
- Operators and retailers can individually define validations and assign these to their employees
- Pre-paid validation contingent or post-payment via bill-back reporting
- Dashboard with configurable thresholds (for number of validations, pre-payments by retailers, expiring contracts with retailers) will inform the operator about the system activities and tasks
- Enhanced reporting of validation usage for parking operator and retailers

- Smartphone with mobile app and browser-based application to apply validations
- Public mode turns a smartphone with lock-frame into an unmanned online validator (substitutes S&B online validators)

#### Self-Service

Straightforward sign-on process for retailers:

- Login credentials for their personal user account are provided by the parking operator
- Optionally, retailer uses operator's self-registration webpage
- Retailer selects the types of validation which can be applied by his employees
- Retailer's employee uses smartphone or tablet PC with internet and camera capabilities to scan the parking ticket and apply the validation

## Operational Journey

The operator releases car parks for validations, creates validation products and sets general rules like contingent, highest money value, allowed number of validations per ticket.

Registration of retailers is managed via parking operator or self-registration on a landing page.

A contract defines the start and end date of a retailer usage. In addition all users can be activated or deactivated at any time by the user with the associated administration profile.

Validation products are assigned to the retailer. The retailer individually releases these products for his employees who conduct the validations.

Online validations can be applied either via mobile app or a browser-based application by manual entry of the ticket barcode or license plate or scanning (via hand scanner or integrated smartphone camera).

The parking fee due and additional information is displayed. Different validations can then be selected and applied by the retailer's employees.

The Public Mode on the validation app provides unmanned validations conducted by the parker if the smartphone is mounted in a lock frame in a generally accessible area. It clearly signals with green or red and acoustically whether the validation was successful.

The currently supported validation type is money validation. Other validation types, such as percent value, time value and rate switch validation, will be available soon.

The "Recent Validations and Status" report informs the retailer and his employees at any time about detailed validation information, validation contingent and prepaid amount.

### Benefits

- ▲ Managed validation self-service for retailers
- ▲ Operational efficiency, less time-consuming
- ▲ Reporting & audit capabilities reduce fraud and help to monetize validations

### Minimum Requirements

- ▲ entervo V2R4M15 or V2R5
- ▲ Supported Media: S&B barcode, license plate
- ▲ Web application: Browsers via TLS 1.2 (TLS 1.1) with CSS, JavaScript and HTML5 support
- ▲ Internet bandwidth: 512 kbit/s synchronous, mobile: 3G
- ▲ Native validation app: iOS 7 and higher, Android 4.4 and higher

