



ZEDAL international

Services description

System solution for electronic document management, the monitoring and archiving of key documents for transfrontier shipments of hazardous and non-hazardous waste.

Overview

Services description

EN

Pricelist

ZEDAL international Services description



* For electronic transmission to the competent authorities, it is the responsibility of the parties to obtain the necessary consent to use the "ZEDAL Online Services" and to ensure compliance with any regulatory requirements and provisions (see Article 26 (2) and (3) of Regulation (EC) No 1013/2006)

* The format eTFS is used in the transboundary waste shipment project carried out by ZEDAL AG together with the Niedersächsische Gesellschaft zur Endablagerung von Sonderabfall mbH and the Ministerie van Infrastructuur en Milieu (Ministry of infrastructure and environment) of the Netherlands. eTFS is based on the interface description of the EUDIN project, which has been extended by a layer technique and the digital signature. In addition to the project partners mentioned, the IKA (InformationsKoordinierende Stelle Abfall DV-Systeme [Information Coordinating Unit Waste DV Systems]) was involved in the vote in Germany. The LAG GADSYS (Joint Waste Management Systems of the federal states) has extended the German public authority system by the accompanying form based on eTFS, which is used in transboundary waste shipment

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> Standard services

Fulfilment of all legal requirements

The legal bases for the transfrontier shipment of waste, the Basel Convention dating from 22nd March 1989, the resolution of the OECD Council on the control of the transfrontier transport of certain waste for recycling and the 1013/2006/EC Directive on the transportation of waste are all applied in ZEDAL.

In this context, ZEDAL provides all forms and mechanisms in legally compliant form.

Certified signature application component

In ZEDAL there is no obligation to sign documents, this is, however, expedient and legally required for the complete electronic exchange of data.

For this purpose ZEDAL has a certified signature application component with which signatures can be provided electronically in the same way as handwritten signatures.

All EU states recognise the reciprocally qualified signatures of the other EU states (Directive 1999/93/EC of the European Parliament and Council dating from 13th December 1999 on common framework conditions for electronic signatures).

Workflows with business partners

On the basis of the many process participants and notification obligations both in the request process for a notification as well as with the practical preparation and completion of the transports, the integrated workflow support offers a huge time saving and legal security between the participants.

In this way, all of the attached documents pertaining to the notification (contracts, certificates, transport routes, security services, etc.) can be filed directly in the notification as well as in electronic records, and exchanged between ZEDAL participants.

The electronic records can be submitted in-house or externally for further processing in the same way as paper copies, offering a wide range of additional uses, especially in working groups and with the obtaining of signatures.

Zedal manages the complete workflow from the re-

quest through to the approval, and from the transport registration to the confirmation of the recycling/disposal.

In the area of transport documents, ZEDAL participants benefit from the unique, automated brokerage of transport documents. While conventional document processes require fax addresses or email addresses to be provided for every individual process, in this case, a simple mouse click is all that is needed for delivery to all partners.

All participants (authorities, producers, exporters, transporters, importers, recycling/waste disposal firms, brokers, dealers) have equivalent, full, and evaluable information at all times.* Repeated inputting into individual systems or the subsequent management of incoming documentation or faxes and the associated time delays are omitted, as well as the personnel required for the data entry and trouble-shooting.

Interface for operational software

ZEDAL provides an exceptionally wide range of free options for the integration in the existing system environments and tasks.

The simplest version is the export as an Excel file directly from the ZEDAL website. With the help of filters and field selections, this can be done in comfort at any time. With little outlay the data are then imported into your system where they can be processed further.

With ProZEDAL a standard adapter is available for you to use which links your software with the ZEDAL server on the basis of so-called CSV files. The advantage of this system is that it means only limited adjustments to the operational software are needed, and older applications and/or ones based on Access/Excel can be brought into the new electronic age. With ProZEDAL, your software can receive and process incoming eTFS**-XML documents without any problem. Conversely, all outgoing documents are automatically prepared in the eTFS**-XML format and can furthermore also be signed by you if required.

The ERP Integration Tools enable the developer of your software to complete the full integration

of the ZEDAL functions in the specific application software. The range of tools includes all of the basic components for the processing and steering of ZEDAL functions via web services. ZEDAL Forms and the Signer for the qualified electronic signature are also included in the scope of delivery.

Master data/number range management

ZEDAL has a master data management system for producer, transporter, authority and disposer data in which officially specified registration numbers can also be managed. If a participant has different registration numbers in the country of export and import, both numbers can be recorded in the master data.

In addition to this, the master data also includes the multilingual EU, OECD and Basel waste catalogues, as well as all the codes with designations that are required for completing the forms.

A further special feature is the number range management, in which the notification numbers are assigned by the server and are not manipulable by the user, and are therefore assigned equally as clearly as the ongoing transport document numbers.

Long term archive

ZEDAL also enables the required long term archiving of your data according to the signature law.

User friendly user interface

The ZEDAL Portal is especially user friendly thanks to the active cooperation of over 10,000 customers. Self-configurable data overviews are available in all areas. The data overviews also have highly sophisticated filtering and sorting options. A rapid search enables direct access to individual documents (also via bar code).

The volumes overview displays the disposed volumes and the number of transports, divided according to those that have been registered and confirmed as recycled/disposed of. As adjustable filters are taken into account here, at the touch of a button you can receive evaluations of different wastes according to time frames, transporters and disposers.

Anyone who is familiar with the paper forms will be able to understand this process, as the XML documents can be shown and edited in a form view. The filling in of the notification can be completed as quick as a flash with the help of the master data and codes provided. An integrated checking routine protects the user from form errors (compulsory field checks). Error-free work in the notification process is also supported due to the fact that a sample transport document can be generated from the approved notification, from which the current transport registrations and transport forms can be generated.

During the generation, ZEDAL ensures that only those transporters who are also approved in the notification are consulted.

All of the dispatch activities and signature data can be quickly and easily visualised via traffic light symbols as regards their status. Adjustable email notifications provide for certainty of use even if you are not logged into the ZEDAL portal.

Multilingual form printing, forms dispatching and fill-out assistance

We have integrated multilingual form printing and forms dispatching at customer request. This enables service providers and transporters to prepare notifications for their customers in the appropriate national language of the country of export.

The fill-out assistance (code and descriptions) is also included for the creation and print out.

Series functions

Series functions for the new creation, the saving, the dispatching, the multilingual printout and the optional signature round off the practicality of use.

Monitoring for one's own legal security

ZEDAL's integrated monitoring of quantities, deadlines and safety features protects the user from serious errors. Individually adjustable thresholds proactively warn visually and / or by e-mail. In addition, the ZEDAL administrator can also preventively activate a processing lock.

Full transparency due to layer technology

With the layer technology that is integrated in eTFS** and ZEDAL, it is possible to see the unequivocal and complete processing status within a document. The layers work like transparent films, which show the contents of the individual fields per layer or stacked on top of each other transparently. If the electronic signature is used on a layer, then the layer is no longer changeable. An exchanging or subsequent deletion of a layer is not allowed – ban on retrogression. Corrections or additions are only possible in a new layer which is also part of the document.

Flexible communication module*

In the scope of the new creation of a notification, specifying the communication paths is initially required for the automatic brokerage of the transport documents, which are then also adopted in the sample transport documents.

In addition to the internal brokering between ZEDAL participants, ZEDAL also currently supports the following processes:

fax, email with PDF, directly via the web service (for the Dutch Authorities), ZKS-Asys (for the German authorities) and encrypted CSV (for the Luxembourg authority).

Further communication approaches to other external systems are extended according to requirement.

A dispatch protocol is established for all dispatch types which also enables the mutual exchange of error codes. The dispatch status is visualised via traffic light colours, with green = everything is OK, yellow = dispatch is complete but not yet confirmed by recipient, and red = the document is not accepted and has been rejected with the error "xxx...".

The special feature:

all dispatch types are initialised in the mix at the click of a mouse.

Use in the fractured process and for data acquisition

It is possible to start with ZEDAL directly thanks to the simultaneous support of the document-based and electronic process.

This makes it possible to enter into existing notifications and transport registrations fully or semi electronically. Furthermore, ZEDAL can also be used for the manual recording of notifications and transport documents in the same way as previous procedures in order to use the wide range of evaluation, archiving and monitoring functions.

Support and further development

The standard services already include all support services and the continuous further development.

> Installation/provision versions

Provider use

ZEDAL AG offers ZEDAL International worldwide as a provider with central data storage. Our provider systems are configured with high availability and housed in secure data processing centres.

Own in-house servers

You provide a server according to our specifications (technical documentation), and we will install the ZEDAL platform through to the operationally ready handover. The installation can take place remotely, in our centre, or on site with you.

An individual adaptation of the design is possible.

Plug&Run in-house systems

The Plug&Run systems are provided by us in operationally ready state including hardware and software. All you have to do is to provide the network environment. An individual adaptation of the design is possible for all three Plug&Run versions, ZEDAL ME, ZEDAL SE2 and ZEDAL SE1.

The ZEDAL ME solution has the same configuration level as our provider systems, and is therefore high availability configured. At the same time the system is run in full-service by ZEDAL AG and enjoys priority support.

In contrast, the two ZEDAL SE solutions are configured with lower availability and a lower service level and are therefore considerably cheaper than the ME systems. The SE solutions are offered as a single and/or dual computer system.

All systems are configured for 24/7 operations (operating hours). The support is available from 7:30 am until 6:00 pm (supported operating hours), Mon. - Fri. apart from Federal German public holidays and 24.12 and 31.12. Remote monitoring and support are provided via a VPN tunnel. With ME systems the rectification of errors starts immediately, with SE systems within 24 hours of the registration of the error.

> Services

Individual adaptations

We only use components in ZEDAL that we ourselves have developed. This enables a flexible, very rapid adaptation to your requirements. As an example, this means we can integrate your national waste transport documents in the same way as the German verification procedure without their complete redevelopment. Talk to us.

Training/on-site training

We are pleased to offer our standard seminars in your country. In addition to the brokerage of the use of our portal, we attach considerable value to the professional training of the participants. Our seminar managers are always at the cutting edge from a professional and legal perspective, and know the sequences from a theoretical and practical viewpoint. If several participants from your company have to be trained, we will also be pleased to offer you the training on site to keep downtimes and travel costs as low as possible.

We have an independent training environment available for all training sessions and can also bring along a full set of training equipment, with computers and projectors.

On-site support

We help where we can, and are pleased to do so in your company. Whether it is workshops on processes, discussions on internal issues or the new conceptualisation of an upgrade. We are always there for you you need us.

Remote/online support

Thanks to modern technology and ever faster internet connections it goes without saying that we can also offer you seminars and support services on a remote basis.

> Signature accessories

ZEDAL signature card reader

The ZEDAL signature card reader DISPLAY (USB) is structurally identical to the cyberJack® e-com from Reiner SCT and supports the strict criteria of safety class 3. It is update capable and has driver support for Windows and terminal servers. In addition to the qualified electronic signature, it can also be used for online banking and payment cards.

Certified by TÜViT, the ZEDAL signature card reader as confirmation of products for qualified electronic signatures pursuant to §§15 section 7 and 17 section 4 of the law on framework conditions for electronic signatures and §11 section 3 of the regulation on electronic signatures.

The ZEDAL signature card reader includes a convenient exchange service as an upgrade to the standard devices.

T-Telesec single signature card

The “qualified certificate” is the replacement for the handwritten signature and satisfies the requirement for written form pursuant to § 126 BGB (German civil code). According to the signature law, qualified personal certificates may only be issued by official certification authorities, which have to satisfy strict security requirements as the “authentication authority.” The certificate is generally linked to a smart card (signature card).

Telesec is an official certification authority with provider accreditation.

The individual signature card has a validity of 3 years. Once the 3 years are over it is necessary to purchase a new card.

T-Telesec multi signature card

By entering the PIN code for the activation of the card just once it is possible to sign many documents in immediate succession. Like the “normal” qualified electronic signature, signatures created in the mass-process have the same legal validity as a handwritten signature. The Telesec multi-signature card is therefore always issued for one single natural person.

Multi-signature cards are limited to a validity of 2 years and have to be used in a secure environment.

Attribute certificates

Additional information on the main certificate which identifies the person is known as attributes and/or attribute certificates.

In this context, Telesec distinguishes between the following cases:

- > Self limitation attribute (e.g. “Legal transactions with a value of up to € 500 only”)
- > Attribute with information on representation (e.g. “ppa.”)
- > Attribute on professionally-related or other information (e.g. “lawyer”).

The company name and department can also be recorded in an attribute certificate.

If use is made of this option, it is decided on issuing the request as to whether the qualified attribute certificate is issued as an attribute in the main certificate or whether it is to be issued as a special attribute certificate.

Replacement card

In the event of the card becoming unusable, Telesec is able to provide a replacement card. This can occur due to a technical defect or by exceeding the maximum number of incorrect PIN inputs.

Replacement cards are cheaper than normal cards. They can be requested on a special form.

ZEDAL signature card service

ZEDAL and the ZEDAL providers offer the following additional comforts for the Telesec signature cards:

- > Subsequent cards can be ordered online, directly in the ZEDAL portal without further identification (as long as the personal details of the card holder have not changed and their signature card is still valid at the time of request).
- > Initial orders are to be made directly online in the ZEDAL portal. Delivery generally takes place one week after receipt of the original identification documents with your provider.
- > All ZEDAL providers offer an identification service and a hotline for questions surrounding the signature card.

> TFS-Monitoring

Notifications to the supervisory authorities are considered to be the contractual basis for transboundary waste shipment. It is therefore all the more important to keep these in focus with regard to the approved runtime and the amount of waste it contains.

The exporter is responsible for monitoring the notifications to the same extent as the waste management company. Based on this responsibility, TFS monitoring offers you a simple tool with which you can always keep an eye on your processes.

Global settings make it possible to control your entire processes with a single click with regard to quantity, number of shipments and validity period. If the safety line is calculated in the ZEDAL portal, the monitoring function also takes effect there. The deposited security deposits are automatically monitored, i.e. the number of transports until the security deposit is exhausted, can be called up daily on the most current status.

Note: The formula currently stored in the portal corresponds to the calculations of the Luxembourg authorities and may deviate from the specifications of other monitoring authorities

> Mass registration of receipt and disposal confirmations

Fast recording of receipt and disposal confirmations as well as recovery or disposal confirmations for those who need to maintain their paper documents.

By means of the function mass delivery, electronic transport documents can be supplemented with the missing information, such as actually received / disposed quantity, date or name.

> In preparation (as of June 2018)

- > App for Android and Apple
- > If a new EU interface for electronic data exchange is standardised, ZEDAL will be automatically extended by this interface at no extra cost to the participants



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