

REDUCED WAITING TIMES - IMPROVED PRODUCT QUALITY - AUTOMATED QUALITY CHECKS

ACCURATE & VALIDATED PREVIOUS LOAD INFO - PAPER ECD FRAUD REDUCTION

STANDARD PROCESS - DIGITAL COLLABORATION WITH RESPECT FOR DATA

WHAT IS NEW WITH eECD 2.0?



QR CODE ENABLED

A unique EFTCO QR code allows to verify in real time if the digital eECD is a valid document prior loading



INDUSTRY STANDARD

Allows to perform the tank cleaning administration process in a standard digital way across all actors



IMPROVED DATA QUALITY

The new eECD compliance score indicates the level of digital collaboration and data reliability.

SHARE and COLLABORATE TRUSTFULLY AND MAINTAIN FULL DATA CONTROL

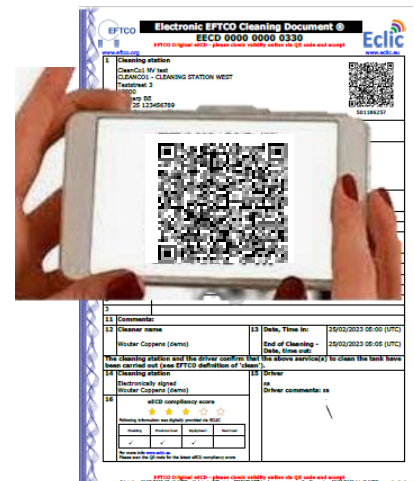
SMALL CHANGE – BIG IMPACT – THE POWER of INDUSTRY COLLABORATION

- 1

EASY ACCESS to the eECD document and **NO LOST COPIES** whereby the latest eECD validity can be checked at any point in time by all actors.
- 2

PRE-CHECK-IN AUTOMATION and **LESS ADMINISTRATION.** Allows ERP integrated automated cleaning and equipment configuration checks prior loading. eECD and other paper documents are auto-archived
- 3

STANDARD INDUSTRY SOLUTION managed by ECLIC as **NEUTRAL FACILITATOR** and available to ALL actors involved



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OTHER ECLIC SOLUTION FEATURES AVAILABLE

- ✓ This eECD 2.0 solution is compatible with the electronic EFTCO cleaning order (eECO), electronic Proof Previous Load document (ePPL) and electronic Depot Declaration (eDD) and allows the exchange of any other logistics documents between cleaner, carrier and loader.
- ✓ Open source eECD API's for further ERP-TMS integrations and automated checks
- ✓ Exchange of extended equipment master to optimize payload, save CO2 and optimize asset utilization
- ✓ Automatic email notifications to carrier and loader in case of equipment acceptance or rejections with predefined reason codes
- ✓ System enabled warning messages about the eECD expiry date during equipment planning & loading

FREQUENTLY ASKED QUESTIONS

(FAQ)

Why eECD 2.0?

The introduction of eECD 2.0 includes an EFTCO industry standard QR code and transforms the existing eECD into a recognized and valid EFTCO cleaning document. This new process enables the coexistence of both, paper and digital workflows providing more flexibility in collaboration amongst all actors. Importantly, a specific actor who is not yet prepared to work digitally can no longer hinder those actors who are willing to embrace digitalization and automation. The eECD 2.0 enhances transparency by showcasing which actors are actively contributing digitally through the eECD compliancy score. This score serves as an indicator of the level of digital involvement and collaboration among the various actors.

Where and when is the eECD 2.0 solution being available for use?

The eECD 2.0 solution will be launched as of July 26, 2023 and will be made available in 4 languages being English (default), German, French and Dutch to support the accessibility and usability across different regions. The eECD solution is available for every cleaning station throughout Europe with English as default language. As part of the European roll-out, additional languages will be introduced based on specific requests and requirements.

If a cleaner switches 100% to eECD's, will shippers be able to accept the new eECD 2.0?

The eECD 2.0 copy with EFTCO QR code has the same layout as the existing paper ECD and is a valid EFTCO Cleaning Document. Each shipper, even shippers without an eECD licence can verify the validity of the eECD similar to the paper ECD. This means that cleaners can switch 100% to the standard eECD 2.0 process as of the second half of 2023. EFTCO keeps a central list of all the digital eECD 2.0 numbers issued per cleaning station.

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What information is shown when scanning the EFTCO QR code?

The eECD 2.0 displays same cleaning information as the paper eECD copy. However, by scanning the QR code, users get access to the latest dynamic status of the eECD, including the up-to-date status of the dynamic eECD compliancy score. Registered users, even without an eECD license can scan the QR code to view the latest eECD status. They have the option to accept or reject the eECD for loading and get an email notification with a copy of the eECD attached.

Can everybody scan the EFTCO QR code on the eECD 2.0 copy?

Yes, anyone with a smartphone and access to the internet can scan the unique EFTCO QR code which is printed on the eECD 2.0.

How will an actor verify that the eECD 2.0 copy is genuine and valid?

The validity of the eECD 2.0 can be determined by scanning its unique EFTCO QR code. A green box on the screen indicates that the eECD 2.0 is valid and has not been consumed, while a red box indicates that the eECD 2.0 copy has either been consumed or is invalidated. If the eECD is not yet consumed, a registered user has the option to either accept or reject the eECD 2.0 at loading and will receive an email notification with a copy of the eECD 2.0 attached. Alternatively, the user can take the eECD 2.0 copy out of circulation and file it manually, similar to the paper ECD process.

What in case there is no internet connection to check the eECD validity?

In the event of an internet outage or if the QR code is not readable, the eECD 2.0 process functions similarly to the paper ECD process. In this case, the truck driver carries a physical copy of the eECD 2.0 with each cleaned equipment. When there is internet connectivity, loaders with an eECD licence and whereby the transport orders are planned by the carrier, can automatically accept the eECD's. This acceptance is based on the latest eECD status along with any other equipment pre-checks or other logistics documents required prior arrival and loading.

Why can't we add more information to this EFTCO QR code?

ECLIC is a community that fosters digital co-creation, innovation and digitalization of logistics which is still in its early stages. What currently is impossible may become possible tomorrow given the technology is ready and secure. For instance, in the near future, a user at the unloading destination will have the ability to access their assigned eECD's before unloading and provided the shipper grants consent for such access.

Why is the eECD 2.0 superior compared to the existing paper ECD?

The digital eECD 2.0 offers numerous advantages over the paper ECD as already explained before. While the paper ECD still holds its value as EFTCO industry standard, relying solely on a "paper only" strategy is no longer future proof. (Un)loading customers do require now a digital data service alongside the physical transport service. Although the paper ECD may be convenient, within an "end to end" industry process, its use results in increased costs for all actors, it hinders automation, slows down operational excellence and ECLIC is an industry initiative supported by



discourages pro-active thinking. Additionally, the existing paper ECD process is labor intensive, susceptible to fraud and errors and no longer an environmental best practice.

Is the eECD 2.0 solution secure?

Yes, ECLIC in collaboration with its IT platform solution providers continuously strives to meet the highest security standards to safeguard data. Moreover, ECLIC implements rigorous data governance rules ensuring that no transactional data can be processed, re-used or analyzed as outlined in the ECLIC Terms and Conditions. This commitment to data protection ensures that the information shared within the ECLIC ecosystem remains secure and compliant.

What happens if both the digital eECD application and internet is down. Is there a back-up solution?

In order to ensure operational continuity, the paper ECD process serves as a fail-safe solution in the event of a complete system failure. Although such failures have occurred twice in the past 5 years, corrective measures have been implemented to minimize the operational impact and to prevent future re-occurrence. System outages are recognized as a continuous critical concern and the >99% system availability in combination with the coexistence of both paper and digital ECD's, help to minimize the operational risks.

What is the benefit for the carrier using an eECD 2.0?

The implementation of the eECD 2.0 process, significantly enhances the carrier's ability to fulfill its transport service role more effectively between the cleaner and the loader. Alongside, physical moving of the equipment from the cleaner to the loading place, the carrier can provide the customer with more complete and higher quality information that goes beyond the paper ECD information like equipment master data. This becomes an integral part of the digital service offering to fulfill a transport order. By utilizing the digital eECD 2.0 process, all actors can collaborate beyond the traditional paper flow, establish "in line" checks and deliver a superior customer experience.

Are equipment master data also shared as part of the eECD 2.0 process?

The sharing of equipment master data required to do pre-checks prior cleaning and loading operations are an inherent part of the existing digital eECD process and are an opportunity to further improve the equipment check-in process at both cleaning and loading yards. Also the eECD 2.0 process continues to share the dry and liquid bulk equipment master data fields which are aligned with the ECTA best practice guideline on sharing equipment master data. Also the other ECLIC document solutions (eDD, ePPL, eECO) do remain in place.

Why has the new eECD compliancy score been added to the eECD?

The eECD compliancy score is a dynamic measure that is developed throughout the "end-to-end" cleaning, planning and loading process. It reflects the level of digital collaboration amongst all stakeholders. The score rating increases with the addition of more "stars" indicating a higher level of digital compliance and data accuracy because the data are gathered from the right primary source and includes different time

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stamps for traceability. It is important to note that the eECD compliancy score does not assess the actual performance of the physical cleaning process itself. Instead, it focuses on the digital aspects of collaboration, accuracy of data, and adherence to the eECD process.

How can I join the ECLIC community?

Please check for more info on www.ecllc.eu or contact info@ecllc.eu or your association representative.

Is this document digitally available?

Absolutely, this eECD 2.0 flyer is also available on the ECLIC website (<https://www.ecllc.eu/newsroom/>).

Who is already part of the ECLIC digital collaboration community?

The ECLIC digital collaboration community



<p>Producers</p> 	<p>Transport and Logistics</p> 	<p>Tank cleaning</p> 
<p>ECLIC solution developers & integrators</p> 		<p>Industry associations</p> 

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