



Empirica Delivery Information System (EDIS)

Real time management for delivery operators

EDIS (Empirica Delivery Information System) is a mobile delivery solution that incorporates real-time mobile data capture with a sophisticated delivery management, monitoring and exception reporting system.

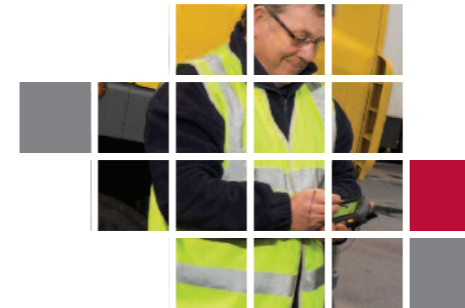


Empirica Delivery Information System (EDIS)

Based on the Empirica Mobile framework, EDIS connects mobile delivery workers with host business systems via secure, real time communications. This allows immediate recording of driver, vehicle and delivery events, giving improved customer service levels, lower operating costs and reduced time to invoice for goods delivered.

Using a PDA, delivery drivers use structured workflows for pre-departure checks, route progress recording, delivery point activities such as product/media confirmation and post delivery debriefing. This information is relayed in real time to the host system to make immediate updates and initiate action on exceptions to ensure accurate delivery recording and optimum management of driver time.

Incorporating scanning, signature and image capture, GPS location and licence free mapping tools, EDIS is a complete delivery management solution to control the processes of delivery, route and vehicle reporting and use of assets. It provides the total visibility and traceability of movements and exceptions needed to meet the highest standards of delivery service.



EDIS

EDIS is a combined PDA and server based application which replaces delivery paperwork and provides automatic, real-time updates to record driver and vehicle data, customer proof of delivery, delivery exceptions, collections and route debrief information.



The PDA side of EDIS, based on Empirica Mobile provides the following functionality:

- Secure driver logon, authentication and authorisation
- Journey start data: vehicle checks, odometer reading, fuel check and load temp.
- Depot departure date/time recording
- Route image capture (accident or incident recording)
- Real-time vehicle location (GPS tracking)
- Delivery drop data with address detail, delivery window and drop instructions
- Delivery arrival/start unload date and time recording
- Delivery load temperature recording
- Media or product level POD by exception/full based on product/drop criteria
- Product/media scanning
- Exception reason codes
- Media collection recording
- Customer signature capture
- Delivery image capture (damage recording)
- Delivery rating
- Delivery finish unload/departure date and time recording
- Journey end data: vehicle checks, odometer reading, fuel check and media returns
- Driver break recording
- Ad hoc delivery/collection requests

EDIS Benefits:

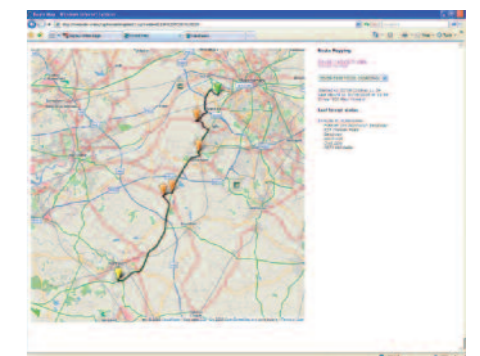
- Accurate delivery performance recording
- Route optimisation reducing mileage and fuel
- Increased driver productivity
- Reduced administration costs
- Elimination of routine paperwork
- Accurate media/asset control
- Reduced delivery errors
- Reduced short/damaged delivery claims
- Shorter invoice lead time and reduced payment disputes
- Improved customer service levels

EDIS transmits information in real-time back to the host server where it's used to update a variety of information on delivery detail, driver time and debrief records, and vehicle location information.

The delivery monitor is a single screen portal provided by the EDIS host server application which allows real-time viewing of route and drop progress and includes drill down to product level and management of drivers' work.

The delivery monitor shows an overview of progress on the selected routes (both current and historical), highlighting any problems to facilitate action. The drill down feature gives individual drop detail down to actual product lines delivered.

EDIS can be optionally linked to a licence free online mapping tool which will show the current vehicle location and display both real-time and historical progress.



| Del Ref | Route | Scale | Vehicle | Driver | Driver Start | Driver End | Begin | Expected End | Actual Start | Expected Finish | Actual Finish | Total Drops | Comp. | Order | Del. C. |
|----------|-------|-------|----------|--------------|----------------|----------------|----------------|----------------|----------------|-----------------|----------------|-------------|-------|-------|---------|
| 25/09/05 | CS100 | 100% | DK125874 | Jim Cobby | 25/09/05 08:00 | | 25/09/05 08:00 | 25/09/05 08:00 | | 25/09/05 08:00 | | 7 | 0 | 302 | 0 |
| 25/09/05 | CS102 | 100% | DK125874 | Neil Ashby | 25/09/05 08:00 | | 25/09/05 08:00 | 25/09/05 08:00 | | 25/09/05 08:00 | | 5 | 0 | 462 | 0 |
| 25/09/05 | CS100 | 100% | DK125874 | David Farnes | 25/09/05 08:00 | | 25/09/05 08:00 | 25/09/05 08:00 | | 25/09/05 08:00 | | 6 | 0 | 346 | 0 |
| 25/09/05 | CS105 | 100% | DK125874 | Alan Hill | 25/09/05 08:00 | | 25/09/05 08:00 | 25/09/05 08:00 | | 25/09/05 08:00 | | 6 | 0 | 302 | 0 |
| 25/09/05 | TS100 | 100% | DK125874 | Dave Durbach | 25/09/05 08:00 | | 25/09/05 08:00 | 25/09/05 08:00 | | 25/09/05 08:00 | | 9 | 0 | 456 | 300 |
| 25/09/05 | TS100 | 100% | DK125874 | Alan Housie | 25/09/05 08:00 | 25/09/05 08:11 | 25/09/05 08:00 | 25/09/05 08:00 | 25/09/05 08:11 | 25/09/05 08:00 | 25/09/05 08:11 | 9 | 0 | 456 | 300 |
| 25/09/05 | TS100 | 100% | DK125874 | Robert Cobby | 25/09/05 08:00 | 25/09/05 08:00 | 25/09/05 08:00 | 25/09/05 08:00 | 25/09/05 08:00 | 25/09/05 08:00 | 25/09/05 08:00 | 9 | 0 | 456 | 300 |

Delivery monitor



About Chess

Chess Logistics Technology has provided logistics IT systems for over 20 years, and delivered high performance solutions to customers in wholesale, retail, and manufacturing. We've helped customers gain major business benefits and develop a competitive edge to their operation.

The dynamic nature of logistics means reacting quickly to meet new challenges. Our solutions, based on proven packages will help you do that by combining standard as well as unique features to meet your requirements. In this way we can use our experience to give your business a clear advantage.

We take pride in our track record, reputation for service and the quality of our people, whose industry and product knowledge covers all aspects of logistics IT. This capability, and a commitment to deliver excellence are key factors in ensuring the success of any project you undertake with us.



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