

# EPC Compliance Packages

Powered by CATAMARAN™

For the past 7 years, Fortune 1000 companies have relied on us to provide complete integration of enterprise mobility and supply chain solutions. With a proven track record with Supply Chain Technology our RFID solutions are now helping these companies gain a jump start in a rapidly changing technology landscape.

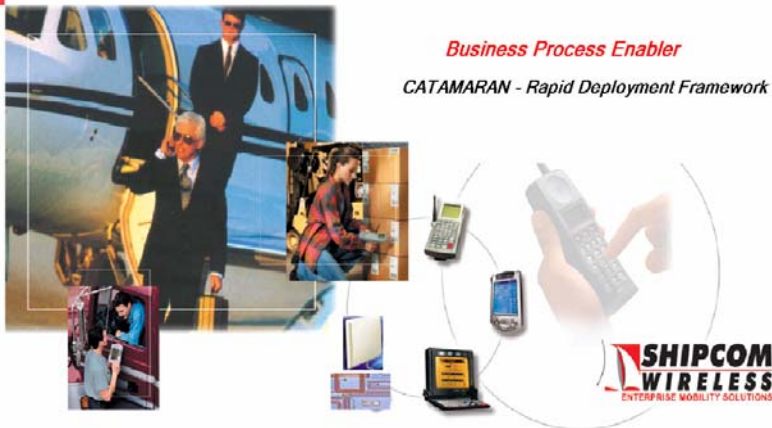
Start with "slap'n'ship" with a Proven Framework that will grow with your needs - CATAMARAN:

- Supports variety of RFID readers, tags & printers
- Integrates into ERP, MES, WMS, Databases, & Legacy business processes
- Provides mobility on the Shop Floor & Warehouse

Our EPC Compliance Packages are designed to help companies who are in a hurry to meet mandates and are looking for solutions to solve the following challenges:

- Who allocates EPC Schemas?
- How do I assign Serial Numbers?
- How do I Manage/Track Serial#?
- How do I Print/Encode/Apply the Tags?
- Why build a Parent/Child Relationship?
- How do I set up and monitor a reader Portal?
- What triggers the event?
- How do I create reports?
- What Data do I need to send the DC?
- What process changes will be required?
- What ROI benefits will I garner?

## CATAMARAN!!



*Wal\*Mart or DOD "slap 'n' ship" compliance in a week*

## EPC Labeling

**Initial Setup of EPC "Seed" Data:** CATAMARAN provides a GUI interface to allow an operator to set up a Data Base with the basic information that is needed to create an EPC Compliant Tag, including Manufacturer number, SKU number, Case serial number allocations by SKU, and Pallet serial number allocations.

**Triggering of EPC Printing/Encoding:** Once the seed data has been established, a GUI interface prompts the user for SKU with Case/Pallet quantities.

**Serial Number Assignments:** CATAMARAN assigns and manages serial number for cases and pallets utilizing the Seed Data Base. Our exclusive EPC SCHEMA Configurator allows for changing EPC standards such as 64, 96, 256 bits.

**Parent/Child Relationship:** As serial numbers are assigned, CATAMARAN creates and maintains a Data Base with case/pallet associations.

**Printer Interface:** CATAMARAN supports the industry leading EPC printers to encode the EPC information into the tag as well as print the required EPC Graphics and human readable information.

**Reporting:** The solution provides two standard reports. The first provides visibility regarding the serial number assignments and current status of available serial numbers (SKU and Pallet). The second reports provide information on case and pallet associations by serial numbers.

## EPC Validation

**RFID Reader Portal:** CATAMARAN supports the industry leading RFID Readers to interrogate the EPC case and pallet tags. Our "Savant" agent provides all the necessary data smoothing, filtering, and aggregation.

**Reader Configuration and Monitoring:** Designed to allow the user to configure and manage the reader parameters from the comfort our CATAMARAN Studio. Monitoring is provided for reader activities including # reads, # reads/antenna, time stamp, EPC data, etc.

**Sensor and Stacklights:** The main benefit of RFID is very limited human intervention. An optical sensor is recommended to trigger an event with a stacklight to provide alerts based on established business/process event rules. Our standard configuration provides for monitoring and alerts for pallet tag reads as well as % case reads on a pallet based on a minimal threshold.

**Reporting:** Two standard reports provide for complete visibility into all reader portal activity as well as Event information including, pallets reads, % case reads/pallet, successful/failed events, etc.

# CATAMARAN

Adaptive, Agile & Intuitive



## EPC Compliance Labeling Package

- **CATAMARAN powered Runtime Software**
- **Preconfigured GUI interface to enter seed data**
- **Triggering and printing of case and pallet labels**
- **Serial number assignment and range management**
- **Creation of parent-child relationship**
- **Pre-built reports for serial number assignment and case to pallet association**
- **Support of one EPC capable printer**
- **Remote configuration & training**

## EPC Compliance Labeling & Validation Package

- **All components of above package**
- **One RFID reader portal to validate case and pallet tags based on SAVANT guidelines**
- **Monitoring tool for reader activities including # reads, # reads/antenna, time stamp, EPC data**
- **Interface to sensor and stacklight**
- **Pre-built reports providing visibility into all reader portal activity as well as event information including, pallets reads, % case reads/pallet, successful/failed events**

## Package Options

- **Bar Code Wedge Scanner interface for SKU data**
- **Mobile Bar Code Scanner interface for SKU data**
- **Hardware & System software**
- **File input for EPC seed data**
- **File transfer of EPC data**
- **Case and/or Pallet label design**
- **Annual Maintenance**

## Minimum Hardware & Software Requirements

- **Laptop/Desktop with Pentium IV, 512MB RAM, 20GB hard disk & network card**
- **Windows 2003, Windows 2000 or Windows XP operating system with MSSQL 2000**
- **Bartender 8.0 single user**
- **RFID labels/tags**
- **EPC compliant RFID printer**
- **Network connections**
- **Network capable RFID reader, Antennas, Sensor & Stack Light with ADAM 6060A controller**

**CATAMARAN, the best way to navigate the uncharted, fast moving waters of EPC/RFID compliance**

## CATAMARAN ADVANTAGES

- End to End RFID to ERP/WMS/MES solution
- Rapid Deployment Framework
- Visual tools for application development
- Integration to a variety of Reader and Tag manufacturers including Alien, AWID, Intermec, Matrics, Samsys, Symbol, TI and Tyco
- Adherence to EPC Global standards and Savant guidelines
- Rules based Event and Exception Management with alerts, sensors and visual alarms
- User defined Business Logic and Workflow management
- Built in Wireless barcode scanning, barcode printing and EPC encoding support
- Excellent response times and scalable to thousands of cases & pallets a day
- Custom reporting using Crystal Reports
- Wal-Mart and DOD compliance guarantee
- RFID Solution center for selecting the right tag design/placement and reader antenna configuration
- Fixed price end to end pilots delivered within 30 days— RFID in a box

## CATAMARAN SOLUTION SUITE

- **RFID Edge Server**
- **EPC Tag Commissioning**
- **EPC Reporting Module**
- **Mobility Module**
- **Monitoring Module**
- **Business Integration Module**

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