## Request for Components

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| **Author** | Jack Watt | | **Date** | November-08-2012 |
| **Version** | 2.0 | |  | |
| **Use Case Name** | Request for components | | **Use Case Type:** | |
| **Use Case ID** | JGRC-2001 | | **Business Requirements**  **System Analysis** | |
| **Priority** | HIGH | |
| **Source** | Requirement | | | |
| **Primary Business Actor** | Dock foreman | | | |
| **Other Participating Actors** | Dispatcher , Driver | | | |
| **Other Interested Stakeholders** |  | | | |
| **Description** | This use case describes the event of requesting components from the warehouse to the docks. The dock foreman must notify the dispatcher of what components are needed. The dispatcher takes the part number, and the dock to be delivered to. Driver takes location of trailer from dispatcher, picks up trailer from yard, and delivers it to destination bay at dock. | | | |
| **Precondition(s)** | Production makes request for components | | | |
| **Trigger(s)** | This use case is triggered when Components are requested | | | |
| **Typical Course of Events** | **Actor Action** | **System Response** | | |
| **Step 1:** Foreman makes request to Dispatcher by TTCS for Components. Providing part number and destination bay.  **Step 3:** Dispatcher views request added by dock foreman , His front end of the system will show a list of tasks, he chooses the one he wants to deal with  **Step 5:** Dispatcher submits request through to the driver. The request should already have everything but driver and trailer when it arrives at dispatch. | **Step 2:** TTCS updates list of tasks . Dispatcher will see a request he hasn’t resolved yet. These will be added and sorted based on completion deadline.  **Step 4:** The system opens a dialog with the request information. The foreman should of provided part number, with this we give the dock foreman a list of trailers to choose from.  **Step 6:** Driver gets notice of new job. This is displayed through a standalone electronic device that will be left in the truck. It’s at the discretion of the driver which order they want to resolve the requests in. | | |
| **Alternate Courses** | **Actor Action** | **System Response** | | |
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| **Conclusion** | This use case concludes when driver delivers trailer with components to destination bay. | | | |
| **Postcondition** | The trailer is now at destination location  The driver confirms finishing the request through electronic device. | | | |
| **Business Rules** | * Dock foreman must provide part number and destination dock and bay to Dispatcher * Dispatcher provides what trailer is needed to driver * Driver shuttles trailer from yard to Bay | | | |
| **Implementation Constraints and Specifications** | * Varies how often this process will be invoked * Not performed after hours | | | |
| **Assumptions** | * Trailer is in yard * A driver is available * Destination bay is empty * Frequency: This use case is intended to be used on an as needed basis | | | |
| **Open Issues** |  | | | |

## Request for Driver

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| **Author** | Jack Watt | | **Date** | November-09-2012 |
| **Version** | 2.0 | |  | |
| **Use Case Name** | Request for driver | | **Use Case Type:** | |
| **Use Case ID** | JGRC-2002 | | **Business Requirements**  **System Analysis** | |
| **Priority** | HIGH | |
| **Source** | Requirement | | | |
| **Primary Business Actor** | Dock foreman | | | |
| **Other Participating Actors** | Dispatcher, Driver | | | |
| **Other Interested Stakeholders** |  | | | |
| **Description** | This use case describes the event of requesting a driver when one isn’t present at destination location | | | |
| **Precondition(s)** | * Production makes request for driver * No driver is present at dock | | | |
| **Trigger(s)** | This use case is triggered when Driver is needed and not present at destination location | | | |
| **Typical Course of Events** | **Actor Action** | **System Response** | | |
| **Step 1:** Dock foreman makes request through TTCS, including destination location, And time needed.  **Step 3:** Dispatcher opens the request. Choosing a driver  **Step 5:** Driver shuttles trailer to destination location | **Step 2:** Updates dispatcher task list to include this request.  **Step 4:** Updates driver task list to include this request | | |
| **Alternate Courses** | **Actor Action** | **System Response** | | |
|  |  | | |
| **Conclusion** | This use case concludes when driver arrives at destination location | | | |
| **Postcondition** | The Driver is now at bay, available to carry out task requested for. | | | |
| **Business Rules** | * Dock foreman must provide destination bay and dock to Dispatcher * Driver carries out task requested for | | | |
| **Implementation Constraints and Specifications** | * Varies how often this process will be invoked. * Not performed after hours * Frequency: This use case is intended to be used on an as needed basis | | | |
| **Assumptions** | * A driver is available * Driver has their own truck | | | |
| **Open Issues** |  | | | |

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| **Author** | Jack Watt | | **Date** | November-09-2012 |
| **Version** | 1.0 | |  | |
| **Use Case Name** | Dock foreman request through TTCS | | **Use Case Type:** | |
| **Use Case ID** |  | | **Business Requirements**  **System Analysis** | |
| **Priority** | HIGH | |
| **Source** | Requirement | | | |
| **Primary Business Actor** | Dock foreman | | | |
| **Other Participating Actors** |  | | | |
| **Other Interested Stakeholders** |  | | | |
| **Description** | This use case describes the event of dock foreman submitting a request through TTCS. | | | |
| **Precondition(s)** | Dock foreman has request to make | | | |
| **Trigger(s)** |  | | | |
| **Typical Course of Events** | **Actor Action** | **System Response** | | |
| 1) dock foreman decides which type of request they want to make. Selecting the request type in the system.  3) dock foreman fills in required information. | 2) Information displayed to dock foreman to fill out is based on option selected  4) System updates, Dispatchers system shows new request | | |
| **Alternate Courses** | **Actor Action** | **System Response** | | |
|  |  | | |
| **Conclusion** | This use case concludes when dock foreman submits request | | | |
| **Postcondition** | Request is sent  Dispatcher’s system updated | | | |
| **Business Rules** | * Dock foreman must provide all required information for request | | | |
| **Implementation Constraints and Specifications** | * This use case will be invoked any time dock foreman has a request for parts, request for empty trailer, and request for trailer removal * Not performed after hours | | | |
| **Assumptions** |  | | | |
| **Open Issues** |  | | | |

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| **Author** | Jack Watt | | **Date** | November-09-2012 |
| **Version** | 1.0 | |  | |
| **Use Case Name** | Dispatcher request through TTCS | | **Use Case Type:** | |
| **Use Case ID** |  | | **Business Requirements**  **System Analysis** | |
| **Priority** | HIGH | |
| **Source** | Requirement | | | |
| **Primary Business Actor** | Dispatcher | | | |
| **Other Participating Actors** |  | | | |
| **Other Interested Stakeholders** | Dock foreman, Driver | | | |
| **Description** | This use case describes the event of dispatcher receiving a request through TTCS. | | | |
| **Precondition(s)** | Dock foreman has made request | | | |
| **Trigger(s)** |  | | | |
| **Typical Course of Events** | **Actor Action** | **System Response** | | |
| 1) Dispatcher opens request  3) Dispatcher identifies driver, trailer, and submits the request to be sent off to a driver | 2) Systems displays request from dock foreman  4) System updates, Driver system shows new request | | |
| **Alternate Courses** | **Actor Action** | **System Response** | | |
|  |  | | |
| **Conclusion** | This use case concludes when dispatcher submits request | | | |
| **Postcondition** | Request is sent  Driver’s system updated | | | |
| **Business Rules** | * Dock foreman must provide all required information for request | | | |
| **Implementation Constraints and Specifications** | * This use case will be invoked any time dock foreman has made a request for parts, request for empty trailer, and request for trailer removal * Not performed after hours | | | |
| **Assumptions** |  | | | |
| **Open Issues** |  | | | |

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| **Author** | Jack Watt | | **Date** | November-09-2012 |
| **Version** | 1.0 | |  | |
| **Use Case Name** | Driver request through TTCS | | **Use Case Type:** | |
| **Use Case ID** |  | | **Business Requirements**  **System Analysis** | |
| **Priority** | HIGH | |
| **Source** | Requirement | | | |
| **Primary Business Actor** | Driver | | | |
| **Other Participating Actors** |  | | | |
| **Other Interested Stakeholders** | Dock foreman, Dispatcher | | | |
| **Description** | This use case describes the event of driver receiving a request through TTCS. | | | |
| **Precondition(s)** | Dock foreman has made request  Dispatcher has updated request | | | |
| **Trigger(s)** |  | | | |
| **Typical Course of Events** | **Actor Action** | **System Response** | | |
| 1) Driver opens request and sets as active.  3) Driver identifies duties and sets off to work. | 2) System displays request information  4) System updates, Dispatcher can see this is drivers active job. | | |
| **Alternate Courses** | **Actor Action** | **System Response** | | |
|  |  | | |
| **Conclusion** | This use case concludes when driver sets job as complete | | | |
| **Postcondition** | Request is sent  Driver’s system updated | | | |
| **Business Rules** | * Dock foreman must provide all required information for request | | | |
| **Implementation Constraints and Specifications** | * This use case will be invoked any time dock foreman has made a request for parts, request for empty trailer, and request for trailer removal * Not performed after hours | | | |
| **Assumptions** |  | | | |
| **Open Issues** |  | | | |

Major concerns

Trailers being left at docks

Driver productivity

Requests coming

Use case for

Request for component

Request for driver

Request through TTCS (all 3)