|  |  |  |  |
| --- | --- | --- | --- |
| SN | Actor | Activity | Functional steps/Actions |
| 1 | Driver Enrollment[Transporter Rep] | Enrollment of Driver | Transporter rep will add Drivers to the system  **APP Screen:**  1.Name  2. Mobile No  3. Vehicle No [Optional]  4. Tracking Type{App bsed/SMS based} |
| 2 | Driver Assignment to Shipment[Transporter Rep] | Driver Assignment to Shipment | **Once Shipment and vehicle assignment done in SAP, it will call EPOD web service API to push data in EPOD database.[Appendix A: for fields details]**  Once Shipment info received from SAP in E-POD system most probably after gate in, increase the count in transporter **Dashboard tile having [List of shipments to be assigned to Driver]**.  Transporter rep will add Drivers to the Shipment  **APP Screen:**  1.Shipment[Auto filled]  2. Vehicle No [Auto Filled]  3. Mobile No [Auto complete/input]  4. Driver Name [Auto Complete/input]  5. Tracking Type Auto Complete/input]  Shipment will get assigned to driver if exists else new driver first created and then assigned to shipment.  Smart enough to identify whether need to edit or add driver.  SMS will be send to Driver for App installation or to get consent for SIM tracking as per the Tracking type.  Before reaching at Gross WB, driver has to give consent for SIM tracking. Transporter will have **dashboard tile having [count of drivers who haven’t given their consent for SIM tracking**].  Detailed list will have resend SMS button to send SMS again to driver for consent, if required.  Transporter will have another **dashboard tile having [count of drivers who have denied SIM tracking]**.  Here also, detailed list will have resend SMS button to send SMS again to driver for consent. |
| 3 | Driver / Transporter rep | Download E-Pod Confirmation App | **Once Gross done, SAP will call EPOD API to push data in EPOD database. .[Appendix B: for fields details]**  Driver has to install App from Playstore/via link. Assisted by security guard, transporter’s rep at plant.  **APP Screen:**  1. After gross[invoice generated], driver will open app and send vehicle no[auto complet: preferably based on last 4 digit]  2. Auto pop up list of matching open invoices  3. driver will select from this list  4. [Optional] driver will put LR No  5. Submit  6. capture Mobile [In background]  7. capture SIM no [In background]  8. Capture IMEI no [In background]  **SMS tracking:**  1. After gross[invoice generated], system will call Telenity API to get location of registered mobile no if driver has already given consent to do so else prompt to Transporter rep app as described in section 2.  2. Driver will SMS vehicle No, List of invoices to a specific mobile no/short no.{*?? can we ignore these steps by doing location tracking in background in both the cases*}  Transporter will have a dashboard **tile depicting all shipments with Location not captured or vehicle not in plant**. He can ask to retry to capture location.  **SAP RFC:**  Once Location captured, we will call SAP RFC to push data in SAP with status  {location captured  , standing in Plant [x] }  *?? we can retry if Transporter ask us to do so.* |
| 4 | Driver | In EPOD confirmation app, confirm delivery, scan signed LR | [TBC] Can confirmation be done without signed LR. ?   * Allow trip closure without LR scan but not without geo-fence for EPOD app   [NO – but TBC] OTP to customer representative phone that needs to be given while confirming  LR number at gate-out will be given through integration before gate-out  Do transporters give out multiple LRs for same truck?  Driver screen wil have drop down to select date, invoice number, LR number.  Then he can upload LR copy, Geo-fence for every invoice  Exceptions:   1. Driver dint close the trip |
| 4 | Driver | Send SMS with identifier 1- proper delivery; 2- customer not available etc. to confirm that delivery has been done. SIM no. to be used by Intelli to get geo-code | Predefined format – but robust at backend.  [TBC] LTL will require invoice number |
| 5 |  |  | * We are not giving app to customers; Not required |
| 6 |  |  | We are not giving app to customers; Not required |
| 7 | Customer Auth Rep | Send SMS with link to goto e-PoD confirmation by Transporter  Send Email with LR pictures, Geo-location and a link to confirm and accept the request |  |
| 8 |  |  |  |
| 9 | Customer Auth Rep | Receive notification of receipt and/or LR being uploaded. Notification via email, SMS, Android notification | Generated by system. User can dispute or not take any action  During stabilization of EPOD (3-4months) we can use this method for both trade & non-trade customers  Post that integration with dealer portal to be done  Points to note:   1. 1 SMS to confirm the delivery 2. If req. 2nd SMS to inform customer that LR has been uploaded with weblink of LR 3. Or Mail with LR triggered to customer. He should acknowledge in mail & ve can verify his mail ID 4. Option to transporter to re-send SMS/Mail to customer (couple of times) 5. Devendra to come back on is there any provision to use SIM for confirming customer   [Devendra] There is no way to confirm customer Mobile is used for acceptance in case of SMS weblink, the only way is, if he replies using SMS like 1 for accept, 2 for deny etc. |
| 10 |  |  |  |
| 11 |  |  |  |
| 12 |  |  | Declining the delivery confirmation is taken identifier for assuming disputes |
| 13 | Transporter | Download full e-pod App and get Web Account. | Signup to be done by OCL staff (logistics)  [NO] No request for account creation  One time log in creation for transporters to be done by Logistics |
| 14 | Transporter | Receive confirmation of delivery and via email and via Andorid notification along with follow activity (get LR etc) | Generated by system – informative only  Scheduler to send ‘Push notification’ to transporter at the end of day or 2 on pending LR scans |
| 15 | Transporter | Dashboard on Portal / Mobile app  Review confirmation of delivery and LR scan for correctness.  Confirmation of delivery and LR will have geo-tagging and reverse address lookup.  Obvious mismatches will be flagged by system – but there is an error margin due to reverse error lookup | In case of error (wrong LR against invoice for eg), remove it and update LR (Option to change scan LR copy to be given)  [TBD] Business rules and process needs to elaborated (We can consider same logic as that of GPS for arriving at deviations)  Note:  I will come on whether deviations to be shown to transporter |
| 16 | Transporter | In case LR is not available, request customer to confirm receipt | See activity X (see point no:9) |
| 17 |  |  |  |
| 18 | Transporter | Find/Respond to new PO’s and readiness to prepare and submit invoice  Discuss with SAP:   1. Should we send PO, Shipment cost, Transporter detail & Invoice / time stamp? 2. LR Scan, delivered Geo-fence\*\*, (PO- SAP; LR – SAP), Customer confirmation; Check all this before allowing transporter to generate invoice (till then this button is inactive) 3. \*\*Should we make this mandatory? Ask Peeyush | System will notify transporter when PO is issued by OCL and pending number of PoDs. Transporter can also use the web app to find POs and readiness to submit. System will also send a notification once only if invoice against PO is ready  [TBD] Daily reminder email of status (or every 2-3 days)  Important:   1. What information is available in PO? 2. What is available in transporter invoice? 3. Do we need intelli to calculate invoice-wise freight?? (OCL to confirm) |
| 19 | Transporter | Review underlying details of PoD for invoices and then confirm submission of invoice  Note:  “Should we show route-wise to accounts?” | Once submitted the PoD will be locked for further changes. Once invoice is submitted then workflow will push details into accounts screen  [TBD] –  Transporter will be allowed to generate invoice irrespective of PO clubbing  Accounts will not process invoices till entire bunch is available |
| 20 | OCL logistics | Signup transporter | Signup to be done by OCL staff (logistics)  [NO] No request for account creation |
| 21 |  |  |  |
| 22 |  |  |  |
| 23 |  |  |  |
| 24 | OCL Sales | [TBC] Receive notification for delays in ePoD  We will send weekly mails to sales on pending customer acknowledgement | [TBC] A threshold if the confirmation is not send by the customer |
| 25 | / SAP | Release PO for submission of transportation invoice |  |
| 26 | OCL Accounts | [TBC] Receive notification of new invoice file being ready for upload (in email or location)  We can keep it on hold for now | [TBC] .csv file is sufficient which accounts can download and upload into SAP as per desired format  2 columns will be added in accounts portal   1. To accept or reject liability 2. To select reason from drop down 3. In case of an issue it should go back to transporter 4. Send mail to transporter to indicate invoice reject 5. Show in transporter dashboard   Generate CSV:   1. Option to select both PO & Invoice and generate final CSV upload can be given to accounts 2. Summary on Date selection, PO, no. of invoices in SAP, Invoices received etc. to be provided 3. Option to select PO & see details can be given   Observation:   1. CSV format, location, fields etc. to be decided with SAP |
| 27 | OCL Accounts | [TBC] Review and verify details of invoices in billing portal | Can reject invoice with comments in which case underlying PoDs become editable for transporters |
| 28 | OCL Accounts | [TBC] Mark invoice in billing portal as accepted | refer to point 26 |
|  |  |  |  |
| 29 |  | New app not required. Driver app can be used for anyone | Find invoice and upload LR. LR to be obtained outside of the system by transporter or transporter agent  Common – function for any and all stakeholder  Insert truck no & date bracket; system can fetch all invoices in drop down  Select Invoice, LR and upload |
| 30 |  |  | refer poin 29 |
| 31 | All | [TBC] PoC | To identify 2-3 transporters and 2-3 buyers who will help with the PoC testing and improving UI experience. |

**Appendix A**

**Shipment** Web service API data detail:

|  |
| --- |
| **Shipment Number** |
| **Vehicle No** |
| **Vehicle Capacity** |
| **Shipment Status** |
| **Shipment Assignment DateTime** |
| **Shipment Cost** |
| **Shipment Assigning User** |
| **Shipment Quantity** |
| **Transporter Code**  **Transporter Name** |
| **LR No.** |
|  |

**Appendix B**

**Invoice** Web service API data detail:

**Invoice Number**

|  |
| --- |
| **Shipment Number** |
| **Vehicle No**  **Sales Person Name**  **Sales Person Mobile No**  **Sales Person E-Mail Id** |
| **Invoice Status** |
| **Invoice Create DateTime** |
| **Shipment Cost** |
| **Invoice Created by** |
| **Invoice Quantity**  **Unit(No Of Bags/Tons/Kg)**  **Material** |
| **Transporter Code**  **Source Code**  **Destination Code**  **Destination Name**  **Customer Code**  **Customer Name/Ship to Party Name**  **Customer Address**  **Customer City**  **Customer State**  **Customer Mobile No** |
|  |
|  |