

INVENTORY SYSTEM REQUIREMENTS AND DESIGN

This system is to manage the general inventory of Nick TC Scan (Gambia) Ltd.

The first is the Tracking devices management which would have the modules as listed below:

1. Inventory menu(Sub-menus i,ii,iii,iv)

i-Devices/Trackers (to hold devices in use)

ii-Stores/Device stock (to hold devices that would be used in the future)

iii-Transfers To approve device transfers from:

Stores to Devices/Trackers

Distribution Point to Another Distribution Point

Distribution Point to Allocation Point

Allocation Point to another Allocation Point

Note that a device would have statuses which is(Online, Offline, Damaged, Repaired/Fixed Lost) which would be a dropdown to select status from.

iv-Other items (to hold other items like lock rope which are in different sizes of length)

Trackers Sub menu.

The screenshot displays the Inventory System interface. On the left is a dark sidebar with a 'Main Navigation' section containing 'Inventory', 'Distribution Point', 'Allocation Point', 'Assignment/Data Entry', 'Confirm Affixed', 'Device Retrievals', and 'Reports'. The 'Inventory' section is expanded, showing sub-menus: 'Trackers' (highlighted with a red box), 'Stores', 'Transfers', and 'Other Items'. The main content area shows a summary table for TRACKERS with columns: Description, ONLINE, OFFLINE, DAMAGED, FIXED, LOST, RECEIVED, and TOTAL. Below this is a filter bar with tabs for ONLINE, OFFLINE, DAMAGED, FIXED, LOST, and RECEIVED. The 'ONLINE' tab is selected. Below the filter bar are four action buttons: 'Add Inventory', 'Upload Inventory', 'Assign to Distribution Point', and 'Change Device Status'. A 'Selected Devices' section is visible above a table of devices. The table has columns: Serial #, Device Type, Batch #, Receipt Date, Status, Added By, Last Location, and Action. The table lists several devices, including JT709 and JT707A, with their respective batch numbers, receipt dates, and statuses.

Description	ONLINE	OFFLINE	DAMAGED	FIXED	LOST	RECEIVED	TOTAL
TRACKERS	616	131	277	0	2	0	5400

Serial #	Device Type	Batch #	Receipt Date	Status	Added By	Last Location	Action
79020	JT709	AUD	2023-08-22	ONLINE	GLNS159		[Edit] [Delete]
790104000942	JT709A	AUDITED	2022-07-19	ONLINE	TLADMIN		[Edit] [Delete]
770191207083	JT707A	AUDITED	2022-07-19	ONLINE	TLADMIN		[Edit] [Delete]
770191207058	JT707A	AUDITED	2022-07-19	ONLINE	TLADMIN		[Edit] [Delete]
770191207042	JT707A	AUDITED	2022-07-19	ONLINE	TLADMIN		[Edit] [Delete]
770191207030	JT707A	AUDITED	2022-07-19	ONLINE	TLADMIN		[Edit] [Delete]



When the Devices/Trackers sub-menu is clicked, user should be able to:

Add Devices/Trackers, Upload Devices/Trackers, Assign to a Distribution Point and Change Device/Trackers status.

To Add Devices/Trackers, the form to complete is as shown below:

Inventory ✕

NOTE: All inputs with * are required.

Type *	Dropdown to chose from(JT701,JT709A,JT709C)
Serial # *	Device ID to be entered as on Device
Batch Number *	Batch number should be auto-generate (Same batch in a day)
Date Received *	Choose date from calendar 
Status *	Dropdown list to choose from 

--Choose--

--Choose--

ONLINE

OFFLINE

DAMAGED

FIXED

LOST


✕ Cancel

 Save

To Upload Devices


To upload the devices/trackers into the inventory system,the below form must be used.

Upload Inventory ✕



 BELOW IS THE TEMPLATE FOR THE FORMAT OF THE REQUIRED EXCEL FILE

Template for DAMAGED devices


Template for all OTHER device status



Choose Excel

Batch *	
Date Received *	
Status *	--Choose-- 

✕ Cancel

 **UPLOAD**

Template for Upload of Damaged devices

Template for Upload of devices other statuses

	A	B	C
1	SERIALNUMBER	DEVICETYPE	DAMAGEDDESCRIPTION
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			

DAMAGED DEVICES

	A	B	C
1	SERIALNUMBER	DEVICETYPE	DEVICESTATUS
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			

DEVICES

Assign to Distribution

To assign devices/tracker to a Distribution Point, the device(s)/tracker(s) must be selected from the list before it can be assigned, else the assignment to distribution point must throw an Error(“Error, No device/tracker selected”)

Assign to Distribution Point

Distribution Points *

--Choose--

Dropdown list of Distribution Points

35CM Cable *

Must not be mandatory

3 METERS Cable *

Must not be mandatory

60 METERS Cable *

Must not be mandatory

✕ Cancel

✓ Send Selected

Search:

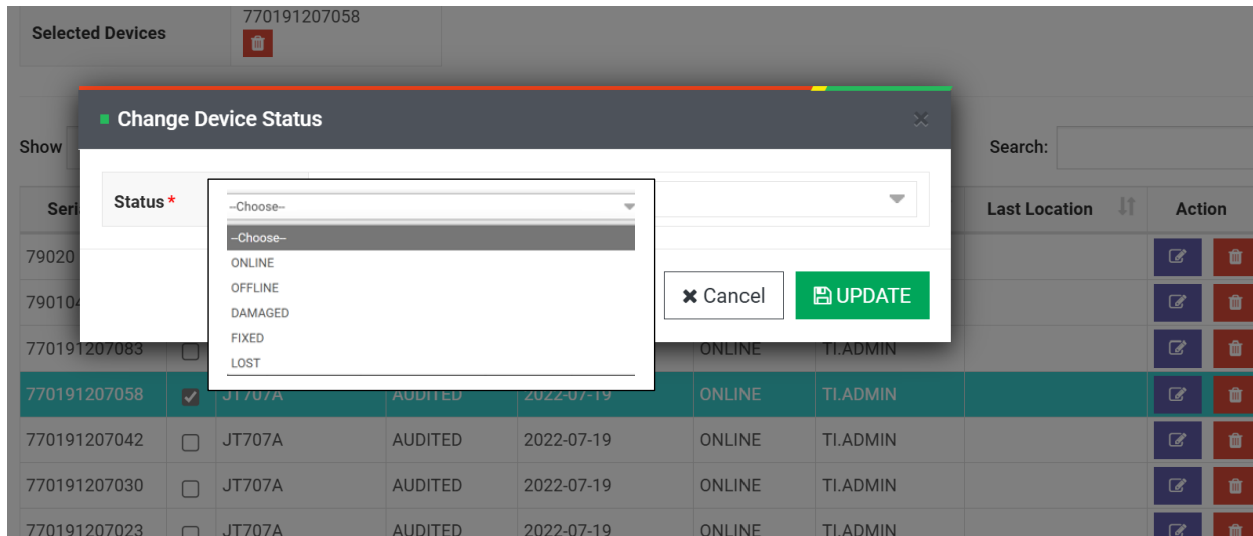
Last Location

Action

770191207023	<input checked="" type="checkbox"/>	JT707A	AUDITED	2022-07-19	ONLINE	TI.ADMIN			
770191207008	<input type="checkbox"/>	JT707A	AUDITED	2022-07-19	ONLINE	TI.ADMIN			
770191206951	<input type="checkbox"/>	JT707A	AUDITED	2022-07-19	ONLINE	TI.ADMIN			
770191206881	<input type="checkbox"/>	JT707A	AUDITED	2022-07-19	ONLINE	TI.ADMIN			
770191206781	<input type="checkbox"/>	JT707A	AUDITED	2022-07-19	ONLINE	TI.ADMIN			

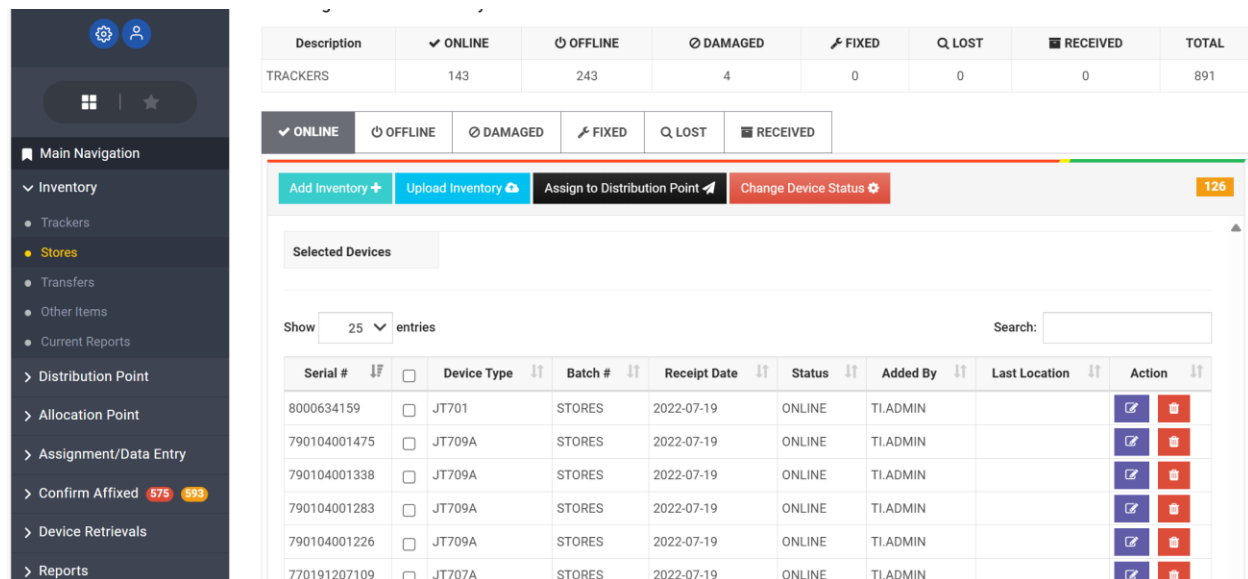
Change status of device/tracker

To change the status of devices/tracker the device(s)/tracker(s) must be selected from the list before it can be assigned, else the Change Device status must throw an Error(“Error, No device/tracker selected”) Note, the **UPDATE** label can be changed to **SAVE**



Stores

Stores have the same functions as the Devices/Trackers



Transfers

When devices/trackers are transferred from one Distribution Point to another or from a one Allocation point to another allocation point, the transfers needs to be verified by the

IV. Other items

The other items works just as the Devices/trackers or the Stores when items(Lock ropes) can be added, distributed and change of items status

The screenshot displays the 'Other Items' management interface. On the left is a dark sidebar with navigation options: Main Navigation, Inventory (Trackers, Stores, Transfers, Other Items, Current Reports), Distribution Point, Allocation Point, Assignment/Data Entry, Confirm Affixed (580, 551), Device Retrievals, and Reports. The main area shows a summary table at the top and a detailed list view below.

Description	✓ OK	⊗ DAMAGED	Q LOST	TOTAL	DISTRIBUTED	ALLOCATED	ASSIGNED	REMAINING
35CM LOCKING CABLES	1000	0	0	1000	70	26	4	900
3 METERS LOCKING CABLES	1000	0	0	1000	220	0	0	780

Below the summary table, there are filters for 'OK', 'DAMAGED', and 'LOST'. The detailed list view shows a table with columns: Receipt Date, Item Type, # of Items, Status, Added By, and Action. It lists two entries for '35CM LOCKING CABLES' and '3 METERS LOCKING CABLES' with a status of 'OK' and added by 'GLNS212'. Navigation buttons like 'First', 'Previous', '1', 'Next', and 'Last' are at the bottom.

Adding other items form

The screenshot shows the 'Other Items Inventory' form. A note states: 'NOTE: All inputs with * are required.' The form has four main fields: 'Type *', 'Date Received *', 'Number of Items *', and 'Status *'. The 'Type *' field has a dropdown menu open, showing options: 35CM LOCKING CABLES, 3 METERS LOCKING CABLES, CHARGING STATIONS, WHEEL BARROWS, TROLLEY, 60 METERS LOCKING CABLES, and USB CHARGING CABLES. The 'Date Received *' field has a calendar icon. The 'Number of Items *' field has a text input. The 'Status *' field has a dropdown menu with a tooltip that says 'Select from dropdown list OK,NEW,DAMAGED,LOST'. At the bottom right are 'Cancel' and 'Save' buttons.

Distribute other items

To distribute other items, complete form below

Distribute Other Items

Type *

--Choose--

Status *

--Choose--

Select from dropdown list OK ,NEW, DAMAGED, LOST

Number of Items *

0

Enter number/quantity of items

Distribution Points *

--Choose--

Chose from list of Distribution points created

Cancel

Distribute

--Choose--

--Choose--

35CM LOCKING CABLES

3 METERS LOCKING CABLES

CHARGING STATIONS

WHEEL BARROWS

TROLLEY

60 METERS LOCKING CABLES

USB CHARGING CABLES

UNALLOCATED RFID CARDS

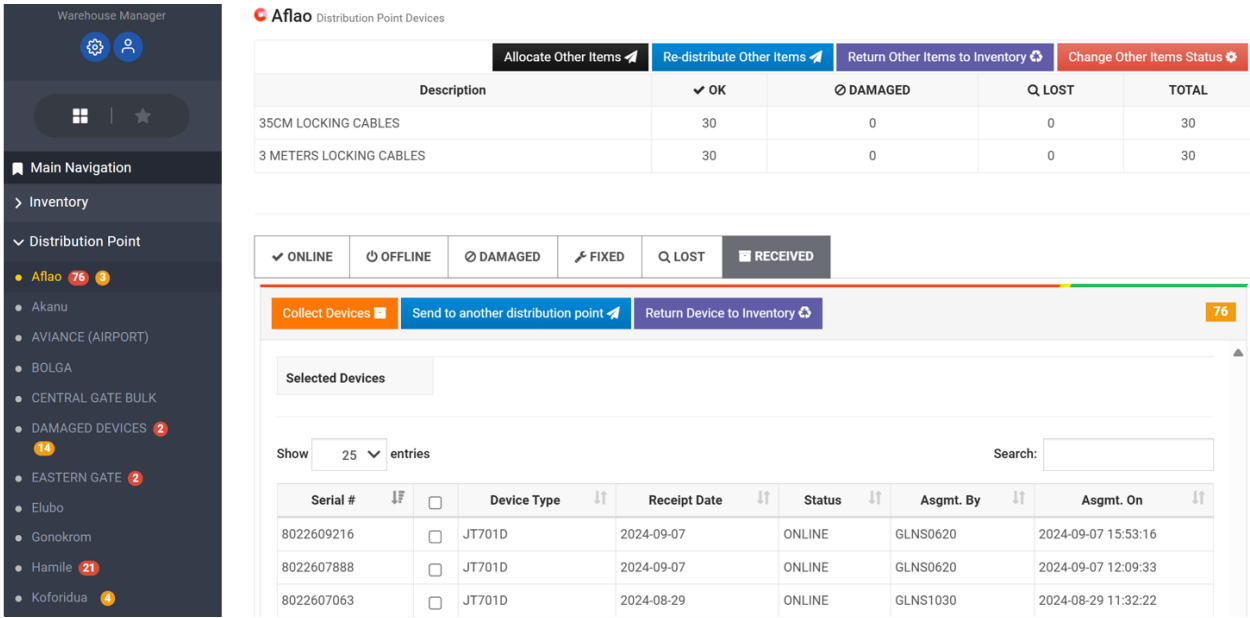
POWER BANKS

MODULE 2


Distribution Points

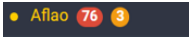
The Warehouse Manager would create **Distribution Points** which would be the place to hold devices being worked on by the Devices/Trackers Managers to check and confirm the status of the devices before transferring them to the various Allocation Points. This is where the devices can now be assigned for affixing.

When the Distribution Point(**Aflao** as an example) is created, the interface should have the buttons and actions as shown below:



The above is interface has Collect Devices(Relabel as ‘**Accept Devices**’),Send to another Distribution Point and Return to Inventory(would send the devices back to the Devices/Trackers pool)which is the main source for distribution.

 label as “Accept Devices”)

The system should be design in a way that when devices are received from any Distribution Point or Allocation Point, the user would have to accept the devices(in the **RECEIVED pool**)before they become available in the pool of devices(either ONLINE,OFFLINE,DAMAGED,FIXED,LOST) at the Distribution Point.  The 76 in red shows devices have been transferred to the RECEIVED pool for the user to know and Collect Devices(label as “**Accept Devices**”) by selecting them either in bulk or one-by-one by ticking the checkbox of the device(s).The 3 showing in amber color means the devices have been collected(Accepted into the usable pool).

[Send to another distribution point ↗](#)

A user should be able to transfer or send devices/trackers to another Distribution Point(for example from Banjul to Farafenni) Note that these transferred devices would be waiting approval at **Transfers sub-menu** under the **Inventory menu**

Transfer to another distribution point

Distribution Points *

--Choose--

Dropdown list

Banjul Port,
Amdallai,
Farafenni,
Soma,
Basse
Jiboro,
Mandinary

✕ Cancel

✓ Transfer Selected

The dropdown list would be fetched from the **Distribution Points** that would be created under **Distribution Points** in the **Admin menu**.

[Return Device to Inventory ↻](#)

This Return Device to Inventory should send the device to the main Devices/trackers pool under Inventory.

The device(s)/tracker(s) must first be selected before the Return Device to Inventory action is executed, else throw an ‘Error No Device selected’

Note that each of the statuses (ONLINE,OFFLINE,DAMAGED,FIXED,LOST,RECEIVED) as shown would all have devices in their pool of devices if the status is selected as any of the above.

Distribution Point

Aflao 6 1

Akanu

AVIANCE (AIRPORT)

BOLGA

CENTRAL GATE BULK

DAMAGED DEVICES 2

14

EASTERN GATE

Elubo

Gonokrom

Hamile 48

Koforidua 4

Kpoglu

Kulungurum 49

✓ ONLINE

OFFLINE

DAMAGED

FIXED

LOST

RECEIVED

Status tabs

Assign to Allocation Point ↗

Send to another distribution point ↗

Change Device Status ⚙

Return Device to Inventory ↻

1

Selected Devices

Show 25 entries

Serial #		Device Type	Receipt Date	Status	Asgmt. By	Asgmt. On
7500410607		JT701	2024-09-06	ONLINE	GLNS2021	2024-09-04 10:21:32

Showing 1 to 1 of 1 entries

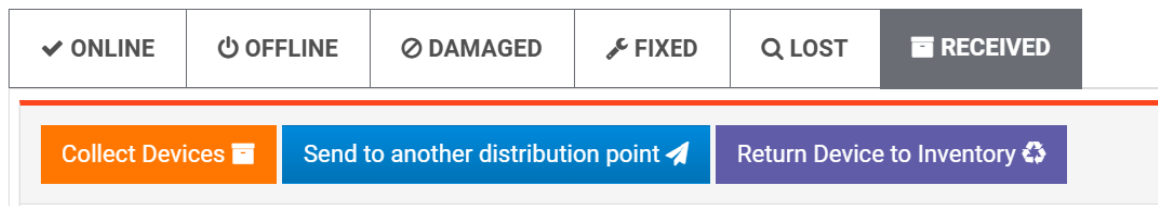
First Previous 1 Next Last

Note that when user toggles between the status tabs,apart from RECEIVED, all other tabs have **Change Device Status** button

[Change Device Status ⚙](#)

This enables a user to change the status of a device/tracker/other items once devices have been accepted from the RECEIVED tab to any other tab. The reason is that, when the device have not been accepted, user must not be able to change status.

This can be confirmed as shown below, when the RECEIVED tab was selected, the Change Device status button was not found.

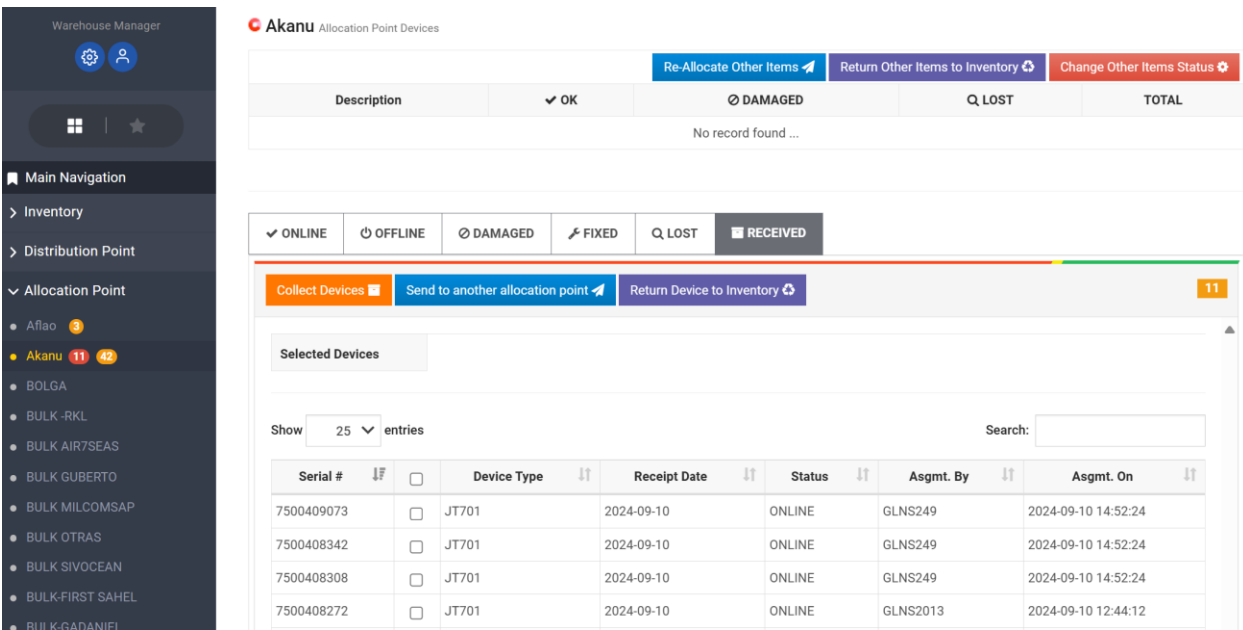


MODULE 3


Allocation Points

The Warehouse Manager would create **Allocation Points** which would be the pool to hold devices being worked on by the Devices/Trackers Supervisors to check and confirm the physical and system status of the devices received from Distribution Points before allocating them to Data Entry/Assignment officers to set trips. This is where the devices can now be assigned for affixing.

When the Allocation Point (**Akanu** as an example) is created, the interface should have the buttons and actions as shown below:



The above is interface has Collect Devices(Relabel as ‘**Accept Devices**’),Send to another Allocation Point and Return to Inventory(would send the devices back to the Devices/Trackers pool)which is the main source for distribution.

 label as (“Accept Devices”)

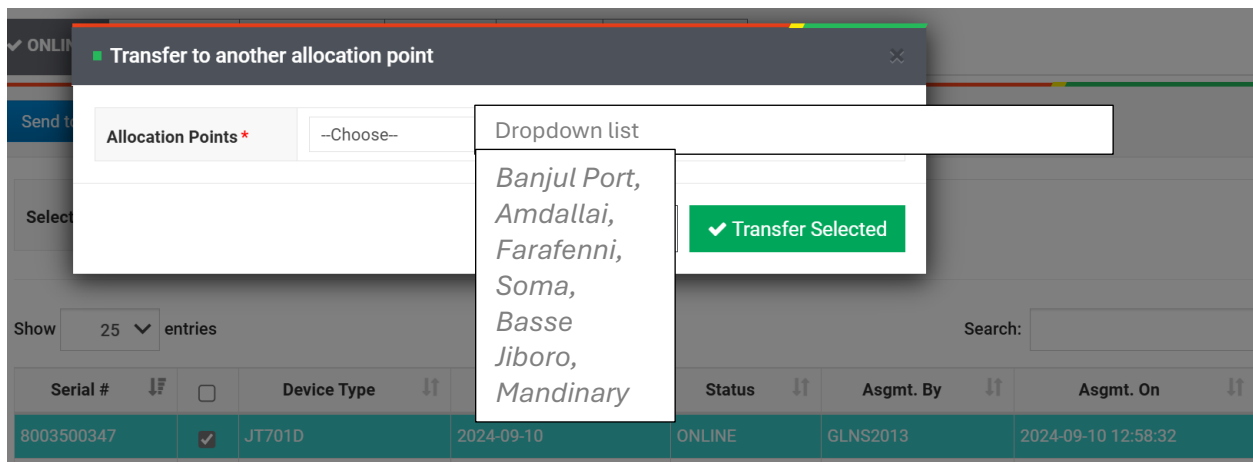
The system should be design in a way that when devices are received from any Distribution Point or Allocation Point, the user would have to accept the devices(in the **RECEIVED pool**)before they become available in the pool of devices(either ONLINE,OFFLINE,DAMAGED,FIXED,LOST) at the

Allocation Point. ● Akanu 11 42 The 11 in red shows devices have been transferred to the RECEIVED pool for the user to know and Collect Devices(label as “**Accept Devices**”) by selecting them either in bulk or one-by-one by ticking the checkbox of the device(s).The 42 showing in amber color means the devices have been collected(Accepted into the usable pool-mostly ONLINE).

[Send to another allocation point](#)

Relabel as “**Send Devices to another Allocation Point**”

A user should be able to transfer or send devices/trackers to another Allocation Point(for example from Banjul to Farafenni) Note that these transferred devices would NOT be waiting approval at **Transfers sub-menu** under the **Inventory menu**, but would be go straight into the Allocation point pool of devices to be **RECEIVED**.



The dropdown list would be fetched from the **Distribution Points** that would be created under **Distribution Points** in the Admin menu.

[Return Device to Inventory](#)

This “Return Device to Inventory” should send the device to the main Devices/trackers pool under Inventory.

The device(s)/tracker(s) must first be selected before the Return Device to Inventory action is executed, else throw an ‘Error No Device selected’

Note that each of the statuses (ONLINE, OFFLINE, DAMAGED, FIXED, LOST, RECEIVED) as shown would all have devices in their pool of devices if the status is selected as any of the above.

MODULE 4

Data entry/Assignment (now label as “Data Entry/Dispatch”)

The data entry/Dispatch would allow users to dispatch a device on a truck or vehicle then the Affixing officer would now pick the device(s) for affixing/locking on the vehicle assigned that device.

Below is the interface for the Data Entry/Assignment:

The screenshot shows the 'Akanu Assign Devices' interface. The sidebar on the left contains navigation options: Main Navigation, Inventory, Distribution Point, Allocation Point, and Assignment/Data Entry. The Assignment/Data Entry section is expanded, showing a list of locations: Afiao, Akanu (selected), BOLGA, BULK_RKL, BULK AIR7SEAS, BULK GUBERTO, BULK MILCOMSAP, and BULK OTRAS. The main content area has a top bar with the title 'Assignment/Data Entry' and a search bar. Below the top bar are filters: ONLINE (selected), OFFLINE, DAMAGED, FIXED, LOST, and ASSIGNED TO AGENT. The main content area has a 'Selected Devices' section and a table of devices. The table has columns: Serial #, Device Type, Receipt Date, Status, Asgmt. By, and Asgmt. On. The table shows 10 devices, all with status 'ONLINE'. A red arrow points from the 'Assign to Agent' button in the table to the 'Dispatch Device' label below.

Serial #	Device Type	Receipt Date	Status	Asgmt. By	Asgmt. On
8022610302	JT701D	2024-09-10	ONLINE	GLNS249	2024-09-10 11:42:16
8022607063	JT701D	2024-09-10	ONLINE	GLNS2013	2024-09-10 12:44:12
8003500981	JT701D	2024-09-10	ONLINE	GLNS2013	2024-09-10 12:44:12
8003500959	JT701D	2024-09-10	ONLINE	GLNS249	2024-09-10 14:52:24
8003500921	JT701D	2024-09-10	ONLINE	GLNS249	2024-09-10 14:52:24
8003500908	JT701D	2024-09-10	ONLINE	GLNS2013	2024-09-10 12:44:12
8003500864	JT701D	2024-09-10	ONLINE	GLNS2013	2024-09-10 12:44:12
8003500803	JT701D	2024-09-10	ONLINE	GLNS2013	2024-09-10 12:48:25

Note that only device(s) with only ONLINE status in the ONLINE pool of devices can be assigned or dispatched.

Assign to Agent relabel as “**Dispatch Device**”

Dispatch Device process

User ticks or picks device(s) from the list of devices in the ONLINE pool and click on Assign to Agent.

A user can assign more than one device at the same time because one truck may be carrying two or more containers/overland vehicles but not exceeding 5 devices.

The vehicle number should have 5 fields with only the first field being mandatory, but **Add vehicle number** button to be able to add more. Also SAD field to have Add button to add more fields.

However, the system can have an idiot proof on this form by making it in such a way that if user selects one device, only one vehicle field would be made available, and if user selects multiple devices not exceeding 5, the vehicle number field should match the number of devices selected.

Note that SAD fields should behave just like the vehicle number field. The mandatory fields for SAD and Vehicle number should match the number of devices selected to dispatch.



The Dispatch Devices form should have the following fields:



Date(auto generate),
Device Serial(Selected)
BOE (label as “SAD” mandatory),
Vehicle number (mandatory),
Regime(dropdown)
Destination(dropdown)
Action (Edit button per roll).

The ASSIGNED/DISPATCHED DEVICES tab

This shows devices that have been assigned/dispatched by the Data Entry clerk. The user(Data Entry Clerk) should have the right to make changes to the entry where need be with the edit button under Action column.


Warehouse Manager








Main Navigation


- > Inventory
- > Distribution Point
- > Allocation Point
- ▼ Assignment/Data Entry
 - Afiao
 - Akanu 53
 - BOLGA
 - BULK -RKL
 - BULK AIR7SEAS
 - BULK GUBERTO
 - BULK MILCOMSAP
 - BULK OTRAS
 - BULK SIVOCEAN


 Assign Devices


 ONLINE

 OFFLINE

 DAMAGED

 FIXED

 LOST

 ASSIGNED TO AGENT







Pending Affixing 46

Show

25

 entries

Search:

Date	Serial #	BOE Number	Agency	Agent Contact	Truck Number	Driver Name	Regime	Destination	Action
2024-09-11 12:32:10	7500408166	80924446842	RICHPAT SHIPPING LIMITED	0532542997	TG2059BM	KOPNUFE KOFI	TRANSIT	ELUBO	
2024-09-11 12:27:06	7500408929	80924446842	RICHPAT SHIPPING LIMITED	0532542997	TG2988BD	KPORNU MICHAEL	TRANSIT	ELUBO	
2024-09-11 11:52:31	8022607999	80924442396	RICHPAT SHIPPING LIMITED	0243222410	BH4935MD	OUSMANE ABASSE	TRANSIT	HAMILE	
2024-09-11 11:46:03	7581212056	80924442396	RICHPAT SHIPPING LIMITED	0243222410	BH8129MD	ADAMOU ANGO	TRANSIT	HAMILE	
2024-09-10 18:37:35	7500409375	80924446700	BOGI COMPANY LIMITED	0544796790	VTBR3902RB	SOUBEROU LAMIDI	TRANSIT	ELUBO	
2024-09-10	800063483		BOGI COMPANY			DAOUDA			

MODULE 5

Confirm Affixed (relabel as “Confirm Dispatch”)

The screenshot displays the ICUMS system interface for the 'Confirm for Affixing' function. The sidebar on the left contains navigation options: Main Navigation, Inventory, Distribution Point, Allocation Point, Assignment/Data Entry, Confirm Affixed (455 345), Device Retrievals, Reports, Last Known Location, Notifications, Administration, and Logout. The top header shows the ICUMS logo, user information (GLNS212, DANSO-DARKO CYPRAIN, Warehouse Manager), and a 'LOGOUT' button. The main content area is titled 'Assigned Devices' and includes a 'Picked for Affixing' button. Below this, there is a table of assigned devices with columns: Date, Serial #, BOE Number, Agency, Agent Contact, Truck Number, Driver Name, Regime, and Destination. The table lists 8 devices, all of which are marked as 'Picked for Affixing'.

Date	Serial #	BOE Number	Agency	Agent Contact	Truck Number	Driver Name	Regime	Destination
2024-09-22 17:16:50	7902060001 97	70924437273	A.M.S LOGISTICS LTD	0243005049	GM 245 17	WORTSI	WAREHOUSE S	TRADEPASS LIMITED
2024-09-22 17:16:23	7901040013 35	70924437273	A.M.S LOGISTICS LTD	0243005049	GN 5948 19	EMMAL	WAREHOUSE S	TRADEPASS LIMITED
2024-09-22 17:15:35	7901040012 37	70924437273	A.M.S LOGISTICS LTD	0243005049	GN 5944 19	OSMAN	WAREHOUSE S	TRADEPASS LIMITED
2024-09-22 17:15:01	7913110001 86	70924437273	A.M.S LOGISTICS LTD	0243005049	AS 8535 16	SULEMAN	WAREHOUSE S	TRADEPASS LIMITED
2024-09-22 17:12:40	7901040007 82	70924437273	A.M.S LOGISTICS LTD	0243005049	GM 220 17	SEIDU	WAREHOUSE S	TRADEPASS LIMITED
2024-09-22 17:12:07	7901040024 38	70924437273	A.M.S LOGISTICS LTD	0243005049	GT 6290 18	MUNIRU	WAREHOUSE S	TRADEPASS LIMITED
2024-09-22 16:59:01	7902060004 14	70824417646	SUNDA GHANA	0240757394	WR 392 18	ADDO	WAREHOUSE S	SUNDA GHANA LTD

The Affixing officer would click **Picked for Affixing** after selecting the device serial, a pop-up should display asking the user(Affixing officer) to “Are You sure to Confirm Affix” by choosing “Yes” or “No” Note that an Affixing Officer can select up to five(5) devices and confirm for affixing.

If a user clicks **Picked for Affixing** without a selected device, the system should throw an error message ‘Error No Device selected’.

When the device(s) are confirmed for Affixing, the device(s) should now move to the Retrieve Device list where the retrieval Officer can also perform the functions.

MODULE 6

Device retrievals

The Device Retrieval officer would only select a device(s) and return them to Outstation (that is the location of the user). The Outstation is the same as the Distribution Point defaulted to the user.

Note that a Retrieval Officer MUST only see the devices coming to his location and not other locations .

Device Retrievals

Home > Device Retrievals

Devices confirmed for Affixing

Return Device to Outstation

2785

Selected Devices

790206000452

Show 25 entries

Search:

Date		Serial #	BOE Number	Agency	Agent Contact	Truck Number	Driver Name	Destination	Regime	Last Location	Action
2024-09-23 06:27:33	<input checked="" type="checkbox"/>	790206000452	70924464594	OSSARK LTD	0244613302	GE 671 13	SUNKWA	SPACE-IN LIMITED	WAREHOUSE S		<input checked="" type="checkbox"/>
2024-09-23 05:55:48	<input type="checkbox"/>	7913111000023	70924464594	OSSARK LTD	0244613302	GN 5247 12	FRANCIS	SPACE-IN LIMITED	WAREHOUSE S		<input checked="" type="checkbox"/>
2024-09-23 05:55:13	<input type="checkbox"/>	7913111000113	70924464594	OSSARK LTD	0244613302	GS 317 18	FUSENI	SPACE-IN LIMITED	WAREHOUSE S		<input checked="" type="checkbox"/>
2024-09-23 05:41:01	<input type="checkbox"/>	790206000010	70924464594	OSSARK LTD	0244613302	GN 7714 11	NUHU	SPACE-IN LIMITED	WAREHOUSE S		<input checked="" type="checkbox"/>
2024-09-23 05:40:23	<input type="checkbox"/>	790206000078	70924464594	OSSARK LTD	0244613302	GW 9914 R	JOSEPH	SPACE-IN LIMITED	WAREHOUSE S		<input checked="" type="checkbox"/>
2024-09-23 05:39:06	<input type="checkbox"/>	790104001274	70924464594	OSSARK LTD	0244613302	GN 7414 11	SAMUEL	SPACE-IN LIMITED	WAREHOUSE S		<input checked="" type="checkbox"/>
2024-09-23 05:26:11	<input type="checkbox"/>	790206000057	70924464594	OSSARK LTD	0244613302	GS 4126 18	MOHAMMED	SPACE-IN LIMITED	WAREHOUSE S		<input checked="" type="checkbox"/>
2024-09-23		7901040000		SI INDA					WAREHOUSE S		<input type="checkbox"/>

Note that Last Known Location should be relabeled as “Monitoring remarks”

The fields should be: Date, Device serial, SAD(BOE) Truck number, Destination, Regime, Monitoring Remark

MODULE 7

Last Known Location(Now label as “MONITORING”)

The Monitoring Module should allow a Monitoring officer to add notes to the device retrieval page which would also be the same as the Monitoring Page. At this level, Monitoring Officers would be allowed to see and add notes to all locations(Sites most the destinations) for a particular device(s)

MODULE 8

Notification

The notification is just like Log of activities on the inventory system displaying all actions taken by a user. It should have search parameters that can use the User ID, and Device serial which would give log of activities per the search.

Sample Notification page

Notifications

Home > Admin > Notifications

Notifications

2188191

Show 10 entries

Search:

Date	ID	Name	Activity
2024-09-23 09:50:10	GLNS159	ELORM MORNY	Device Serial: 8003500839 allocated to PETROLEUM
2024-09-23 09:50:10	GLNS159	ELORM MORNY	Device Serial: 8000634153 allocated to PETROLEUM
2024-09-23 09:50:10	GLNS159	ELORM MORNY	Device Serial: 7500409653 allocated to PETROLEUM
2024-09-23 09:50:10	GLNS159	ELORM MORNY	Device Serial: 7500409389 allocated to PETROLEUM
2024-09-23 09:50:10	GLNS159	ELORM MORNY	Device Serial: 7500408817 allocated to PETROLEUM
2024-09-23 09:50:10	GLNS159	ELORM MORNY	Device Serial: 7500408048 allocated to PETROLEUM
2024-09-23 09:50:10	GLNS159	ELORM MORNY	Device Serial: 7500407986 allocated to PETROLEUM
2024-09-23 09:50:10	GLNS159	ELORM MORNY	Device Serial: 7500407515 allocated to PETROLEUM
2024-09-23 09:50:10	GLNS159	ELORM MORNY	Device Serial: 7500407392 allocated to PETROLEUM
2024-09-23 09:50:10	GLNS159	ELORM MORNY	Device Serial: 7500407272 allocated to PETROLEUM

Showing 1 to 10 of 2,188,191 entries

First

Previous

1

2

3

4

5

...

218820

Next



Last

MODULE 9

Administration (Now label as “CONFIGURATION”)

The Administration (now CONFIGURATION) is where the “Distribution Points”, “Allocations Points”, “Destinations” and “Regimes” are created or added to the system.

Warehouse Manager



Main Navigation

> Inventory

> Distribution Point

> Allocation Point

> Assignment/Data Entry

> Confirm Affixed 422 541

> Device Retrievals

> Reports

> Last Known Location

> Notifications

Administration

Distribution Points

Allocation Points

Destinations











Manage Distribution Points

Add Distribution Point +

31

Show 10 entries

Search:

Date	Name	Location	Added By	Action
2024-06-13 11:04:08	MARK DIST WORK STATION	TEMA NIVKSCAN	GLNS224	
2024-06-13 11:03:31	DENNIS DIST WORK STATION	TEMA NICKSCAN	GLNS224	
2024-06-12 14:53:35	GILBERT DIST WORK STATION	TEMA NICKSCAN	GLNS224	
2024-06-12 14:53:07	ENERST DIST WORK STATION	TEMA NICKSCAN	GLNS224	
2024-06-12 14:47:41	KWAME DIST WORK STATION	TEMA NICKSCAN	GLNS224	
2024-06-12 14:47:18	DANIEL DIST WORK STATION	TEMA NICKSCAN	GLNS224	
2023-06-23 17:29:37	CALEB DIST WORK STATION	TEMA NICKSCAN	GLNS212	
2023-04-28 16:13:24	CENTRAL GATE BULK	SHIP SIDE	GLNS224	
2022-12-10 11:44:33	DAMAGED DEVICES	TEMA	GLNS212	
2022-08-23 12:39:13	MPS SUS	NICK SCAN	GLNS212	

Showing 1 to 10 of 31 entries

First

Previous

1

2

3

4

Next

Last

When the Add Distribution Point([Add Distribution Point +](#))is clicked, the below forms opens for user to complete and save.

Interface for adding Distribution Point

Distribution Point

NOTE: All inputs with * are required.

Dist. point Name *

Location *

Cancel

Save

When the form is completed and Saved,the Distribution Point would be created.

Distribution points created should be assignable to users in the user role management

Interface for adding Allocation Point

Warehouse Manager

Main Navigation

- Inventory
- Distribution Point
- Allocation Point
- Assignment/Data Entry
- Confirm Affixed 420 530
- Device Retrievals
- Reports
- Last Known Location
- Notifications
- Administration
 - Distribution Points
 - Allocation Points
 - Destinations

Manage Allocation Points

Add Allocation Point +98

Show 10 entriesSearch:

Date	Name	Location	Added By	Action
2024-05-28 12:56:58	TRANSIT HOUSE TO HOUSE FREDA	LOOGROOM	GLNS159	
2024-05-28 12:55:52	SAFEBOND FREDA	LONGROOM	GLNS159	
2024-05-28 12:55:23	TRANSIT FREDA	LONGROOM	GLNS159	
2024-02-24 09:12:51	SAFEBOND SARAH	LONGROOM	GLNS159	
2024-02-24 09:12:15	TRANSIT J SARAH	LONGROOM	GLNS159	
2023-12-18 09:19:07	HOUSE-2-HOUSE CHRISTABEL	LONG ROOM	GLNS159	
2023-12-18 09:18:31	SAFEBOND CHRISTABEL	LONG ROOM	GLNS159	
2023-12-18 09:17:50	TRANSIT I CHRISTABEL	LONG ROOM	GLNS159	
2023-08-07 09:51:35	TRANSIT HOUSE-2-HOUSE AFIA	LONGROOM	GLNS159	
2023-08-07 09:07:55	SAFEBOND AFIA	LOONGROOM	GLNS159	

Showing 1 to 10 of 98 entries

FirstPrevious12345...10NextLast

Add Allocation Point + When Add Allocation Point button is clicked, the below form opens for the user to complete and save, then the Allocation Point is added. Allocation Points created should be assignable to users

Allocation Point

NOTE: All inputs with * are required.

Alloc. point Name *

Location *

Cancel

Save

Regime

Regimes must be created to be used to create the Destinations

Regime

NOTE: All inputs with * are required.

Regime Name *

Cancel



Save



When the regime is entered and saved, it would be added to Regimes list.

Destination

Destinations created must be assignable to users so as to default their location to make it easy for Retrieval Officers to be able to send to Outstation (Distribution Point Pool of that Destination) when devices are retrieved to outstation.

Warehouse Manager





Main Navigation

- > Inventory
- > Distribution Point
- > Allocation Point
- > Assignment/Data Entry
- > Confirm Affixed 420 529
- > Device Retrievals
- > Reports
- > Last Known Location
- > Notifications
- > Administration
 - Distribution Points
 - Allocation Points
 - **Destinations**
- > Logout










Manage Destinations

Add Destination +

1368

Show 10 entries

Search:

Date	Name	Address	Regime	Latitude	Longitude	Added By	Action
2024-09-10 12:21:54	ELECTRO MECHANICAL TRADING & CONTRACTING LTD	ACCRA- TESANO	WAREHOUSE S	0	0	GLNS224	
2024-09-06 16:27:59	DTRT	ACCRA	RE-EXPORT			GLNS159	
2024-09-03 09:01:40	NORTH SHORE APPAREL GH LTD	TAMALE	FREEZONES			GLNS159	
2024-08-21 09:52:47	ALLIED HOME STORES	SPINTEX	RE-EXPORT			GLNS159	
2024-08-16 17:01:51	TRADIUM LTD	TEMA	WAREHOUSE S			GLNS159	
2024-08-16 16:09:21	SETCL FZ LTD	ACCRA	FREEZONES			GLNS159	
2024-08-16 10:28:20	SCRIPTURE UNION TOWER	RIDGE- ACCRA	FREEZONES	0	0	GLNS224	
2024-08-14 09:39:44	V.V AUTOMOTIVE GH	TEMA	WAREHOUSE S	0	0	GLNS159	
2024-08-14 09:37:36	AUTODREAM LIMITED	ACCRA	WAREHOUSE S	0	0	GLNS159	

Add Destination +

When the Add Destination button is clicked, the below form opens for user to complete and save, then the destination would be added.

Assignment Destination

NOTE: All inputs with * are required.

Name *

Address *

Regime *

-Choose-

Dropdown

Regimes added under REGIMES

Transit

Warehousing

Petroleum

Overland vehicles

Freezones

Re-Export

Latitude

Longitude

Cancel

Save

USERS OF THE INVENTORY SYSTEM

1. **WAREHOUSE MANAGER** should be able to create Distribution Points, Allocation Points, Destinations, Customs Regimes, Approve transfers, Allocate other items (Which is the sole responsibility of the warehouse Manager).

2. **DISTRIBUTION OFFICER (DEVICE MANAGEMENT)**

The Distribution officers are same as the Device Managers who would be physically checking the status of the devices and distribute to Allocation Points.

3. **ALLOCATION OFFICERS (SUPERVISORS)**

Allocation officers would only allocate devices for the Data Entry Clerks to Assign device(s) on trips.

4. **DATA ENTRY/ASSIGNMENT**

Data Entry/Assignment Officers would set devices for trips by, completing a form where a device is selected, vehicle number entered, regime chosen and the destination chosen.

The reporting for assigned devices should have these field Date Assigned, SAD, Device serial, Regime, Destination

5. **AFFIXING OFFICERS**

Affixing offices would now pick the devices for affixing after the device is physically affixed and locked on the vehicle

The reporting for affixed devices should have Date Assigned, Date affixed, SAD, Device serial, regime, destination.

6. **RETRIEVAL OFFICERS**

Retrieval officers would pick devices and return Outstation of the user. A user(Retrieval Officer) should have the branch or site defaulted to his or her branch.

Retrieval report should have Date Retrieved, SAD, Device Serial, Departure location, Destination, Regime, Retrieved by

7. **MONITORING OFFICERS**

Monitoring officers will have the ability to add notes to the selected device(s) and save it. This notes would be reviewed by other monitoring officers who take over from the other officers.

The user should be able to close the issue added to a device by another user but must be approved by the Monitoring Supervisor.

The report should have issues that have been added and pending, that have been added and closed.