

FLEXIAUCTION EAR TAG SCANNING

PURPOSE

Scanning of ear-tags for the purpose of importing it into Flexiauction in the correct format to process it for the sales record, ownership of animals, and printing of documentation, as well as traceability purposes.

TERMS USED

SELLER <i>VERKOPER</i>	Customer selling animals at auction pen. Animals are ARRIVING at the auction from the SELLER (<i>Unsold animals will also DEPART from the auction back to original SELLER</i>)
BUYER <i>KOPER</i>	Customer buying animals at auction pen.
ARRIVAL <i>AFLAAI</i>	Animals arriving at auction premises from the SELLER
DEPARTURE <i>OPLAAI/WEGLAAI</i>	Animals despatched from the auction premises to the new BUYER or unsold to the original SELLER
RING	Auction Pen where the animal is auctioned to the highest bidder. Animals entering/leaving the auction ring before/after being auctioned/sold. (<i>some animals might NOT be sold, and will be despatch back to seller</i>)

BSNR

Unique alphanumeric code linked to each customer (buyers and sellers) in FlexiAuction for the auction.

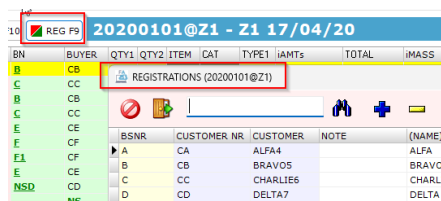
BUYER or **S**ELLER **N**UMBER **R**



In Flexiauction click



to register a BSNR or "mark" or "bidder number" for each buyer and seller participating at the auction



ALL PARTICIPATING BUYERS AND SELLERS MUST HAVE A UNIQUE BSNR.

THE BSNR CAN ONLY BE USED EITHER ON BUYER SIDE OR ON SELLER SIDE, IT SHOULD NEVER BE USED ON BOTH BUYER AND SELLER SIDE.

E.G. SELLER PETER HAVE BSNR "P1" AS SELLER BSNR FOR ANIMALS SOLD.

*IF HE ALSO MAKE PURCHASED, THOSE LOTS SHOULD HAVE A **DIFFERENT** BUYER BSNR, E.g. "BP"*

A BSNR PREFIXED WITH "NS" SHALL HAVE THE MEANING THAT IT IS AN UNSOLD ANIMAL AND SHOULD RETURN BACK TO THE SELLER

E.G. SELLER PETER HAVE BSNR "P1" AS SELLER BSNR FOR ANIMALS SOLD.

ALL HIS UNSOLD ANIMALS MUST BE MARKED WITH "NSP1" ("NOT SOLD" - P)

THE BSNR CODE IS ESSENTIAL IN IDENTIFYING TAGS.

ALL TAGS MUST BE LINKED TO A BSNR

SCANNING

EVERY animal should be scanned TWICE. This is to allow for both arrival and departure records. For arrival records this can be done at arrival when unloading inbound, or prior to entering the ring. For departure records this can be done when exiting the ring, or at departure loading outbound.



It is important that EVERY tag is linked to an associated BSNR when scanned, otherwise, the system will not be able to link that tag correctly. This alphanumeric code is NOT linked to a database when scanned, the auction office will link it to the correct customer in Flexiauction (*from pre-registration, loading certificates, vendueroll, kraal number, paint mark, etc*) The auction office will determine the correct BUYER and correct SELLER from this BSNR linked to it for the transaction.

You will be able to scan the ear-tags with a RFID scanner.

Flexiauction will allow for two methods to IMPORT the scanned tag data: **EXCEL** or **FMTAG**

EXCEL



Scanner Setup Note: It is required to have a field on the scanned for the BSNR.

*On the scanner this field should be an alphanumeric **TEXT** field named "**BSNR**" and must be **compulsory/required**. It should be **repeated**, in other words allowing operator to capture/enter/type a BSNR for all the tags scanned subsequently for that specific BSNR.*

In an ideal environment where capturing was faster and time constraints less, it would be ideal to also have these FlexiAuction supported optional fields: Location (arrival/departure), Reference Nr, Group Nr, Kraal Nr, Mass, buyer mark, seller mark, Sex and captured Lot Nr.

All Information is kept in the scanner memory until at such time the sessions are downloaded to a device (computer/laptop/mobile). The actual importing interface from the scanner will be dependent on the functionality provided by the software (provided by the manufacturer of the scanner). *E.g. CSV, Excel.*

This csv/excel file will be available for import into FLEXIAUCTION.
(explained below in the FlexiAuction IMPORT EXCEL section)

FMTAG



The scanner is connected to a mobile device, and the mobile device will capture the tags from the scanner. We do provide a PWA web application for this purpose.



Please connect your scanner to a mobile device via Bluetooth or USB. Please ensure that you are using the **HID** or **KEYBOARD WEDGE** mode, as this is **simulating** the KEYBOARD in capturing the tags.

Note: this will simulate a keyboard, you can use ANY software to collect the tag info. E.g. Excel, Word, etc.

Please browse to

<https://flexiauction.net/fmtag>

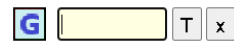
click "**SET**" to set the BSNR, GROUP and ARRIVAL/DEPARTURE for the batch you are about to scan.

Capture the **BSNR**, the code linked to the buyer/seller. Entry of this field is **required**



(X to clear)

Capture the **GROUP** - This is an **optional** code that can be assigned to each tag to allow for identifying a "group of animals", e.g. all the animals in the same kraal or the same lot. *Will be filled automatically.*



(X to clear, T to insert automatic time serial code)

LOCATION - ARRIVAL or DEPARTURE

Click **ARRIVE** or **DEPART** or to set mode for arrival/inbound/offloading tags or departure/outbound/loading tags.

Keep the cursor in the TAG entry field, and ensure that each tag is captured.



Counters and logging info will be displayed below with a beep.



Here you will see the list of tags with the logged value for the BSNR, the GROUP, and @ARRIVAL/DEPARTURE. Add comment lines and mark wrong lines as "deleted" as required.



Here you will be able to share the scanned list using standard "mobile SHARE technology" 
Please share as often as possible, as it is using browser "local storage" technology, It is limited and intended for short-term storage only.

Clear your tags list once successfully shared and safe to do so, before scanning a new batch.

This shared data will be available for import into FLEXIAUCTION.
(explained below in the FlexiAuction IMPORT FMTAG section)

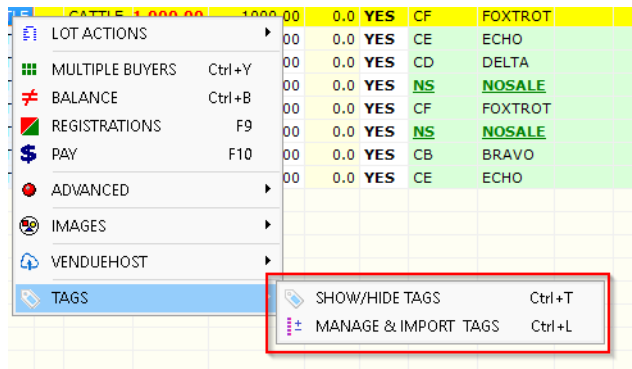
FMTAG is provided free-of-charge, independent, standalone, own-risk, when-available & as-is.

FLEXIAUCTION OPERATIONS



Create and active a livestock EVENT, capture your registrations and vendueroll as per normal.

Right-click on the vendueroll



FLEXIAUCTION SHOW/HIDE TAGS

Flexiauction does allow for tags to be captured with each LOT. On the roll right-click and select "SHOW/HIDE TAGS" or press Ctrl+T to capture and manage the tags for each Lot separately. These tags will also print on all invoices and loading documentation if your templates are set to show it.

MANAGE AND IMPORT TAGS

(1)	Display the unique list of BSNRs for all the TAGS imported/added for this EVENT (regardless if registered as event BSNR or not)
(2)	Display the list of TAGs for the BSNR selected in (1) This list allows for adding of new tags, as well as changes, deletions, linking and reports.
(3)	Display the list of TAGs for the counter-party- BSNR of (1) for the LOT selected in (4)
(4)	Display all the LOTs where the BSNR selected in (1) is participating in
(5)	Display all the TAGs for the LOT selected in (4)
(6)	Display warning and terms
(7)	Display the RMIS module

FLEXIAUCTION will try to determine if a BSNR with its tags are for **ARRIVAL** or **DEPARTURE** from the context:

- If used in the vendueroll, it will be **ARRIVAL** if used **SELLER** side, or **DEPARTURE** is **BUYER** side.
- **Please use the BSNR either on buyer side or on seller side, NOT on both**
- If prefixed with "NS" it will be assumed as an "NOT SOLD", and thus a **DEPARTURE** back to **seller** (treated here as "buyer")
- If it is a RMIS GLN number, it will be assumed an **ARRIVAL** from a **seller**. (not to be used directly)
- If it cannot be determined, it will be displayed in **blue** with a warning. Note that reports will be incorrect.

The system will indicate with colours (**red**, **green** and **blue**) and display warnings accordingly.

E.g. "D" is linked to customer #CD/DELTA

The system will use "D" exclusively as SELLER and thus for ARRIVALS because "D" was used seller-side

Should DELTA also purchase animals, a new BSNR should be linked and used buyer-side, "D1"

Should DELTA have unsold animals, a new BSNR should be linked and used buyer-side, "NSD"

Note: It is not required to change the unsold lots on the vendueroll, as it might impact your reporting.

The system will "know" it is an unsold animal because of the "NS" prefix, you can just change the BSNR for the relevant tags.

Operational restrictions

Due to many factors, including:

- time-constraints for the scanning and/or importing processes,
- availability of tag data at invoicing/loading stages,
- internet/network/WIFI availability,
- staff availability/skill,
- device availability

we allowed for three distinct options for linking LOTS to TAGS:

OPTION	ACTIONS	BENEFIT/ DISADVANTAGE
NOT LINKED	No action	• Faster operation and easier workflow. • Cannot print tags on invoice or 6/8 load docs as there is NO tags linked to the lots at all. • Only TagBSNR report can be used. NOTE: THERE WILL BE NO CORRELATION AT ALL BETWEEN LOTS LISTED IN THE INVOICE AND 6/8 LOADING DOCS AND THE TAGS LISTED ON THE TAG-BSNR REPORT.
vLOT EACH TAG	Select the tag, for each tag determine the correct lot and press CTRL+2 to link that LOT to the vLOT field of the tag as well as the counter-party tag.	• Slower operation, as more FIELD INFO and more TIME is required to link the lots to the tags. • Difficult to determine correct lot without additional information • Cannot print tags on invoices or 6/8 loading docs. • Can print delayed/separate "special" 6/8 load docs with tag info
TAG EACH LOT	Select the tag, for each tag determine the correct lot and press CTRL+1 to add tag to the "TAG field" of the LOT. (can also edit tag field manually)	• Slower operation, as more FIELD INFO and more TIME is required to link the lots to the tags. • Can print tags on invoices and 6/8 load docs • Will required credit notes/reversal should TAG info change on an invoice • Timing issues, tags might not be available at time of invoicing. • Stricter handling of invoices in regards to splitting lots. Ideally "ONE INVOICE, ONE BSNR"
Please note that ALL changes to reports and/or templates will be charged at our standard rates and t&c's.		

Right-click options

	Add Tag To roll LOT field	Ctrl+1
	Set Tag vLOT from roll LOT	Ctrl+2
	Go Previous Tag	F9
	Go Next Tag	F10
	Go Previous Lot	F11
	Go Next Lot	F12
	TagBSNR Report	F3
	Export Tags (displayed)	
	Export List (displayed)	
	Set for all non blanks	▶
	Admin	▶
	RMIS	▶
	Create NOSALE NSx	
	Copy GLNx tags to BSNR	

Add Tag to roll LOT field	Add the TAG to the correct Tag-field for the LOT
Set Tag vLOT from roll LOT	Link the correct LOT the vLOT field of the TAG
Go Prev/next Tag/Lot	Quickly navigate previous/next lot/tag
TagBSNR report	Print a departure/arrival report for that BSNR
Export	Export to excel or export quick-text-tag list
Set for all non-blanks	Set Species and tag types for RMIS purposes
RMIS	RMIS traceability reports
Create NOSALE NSx	Create a NS-prefixed BSNR for the selected BSNR automatically
Copy GLNx tags to BSNR	Add selected tags to a new BSNR for usage

Import from EXCEL

MANAGE AND IMPORT TAGS FOR EVENT 20250924@LOCAL | AUCTION DATE=24/09/25, RMIS xfer @ 12H-noon, period 23/09 4AM-morning to 25/09 20PM-night

TAGS IMPORT CSV/XLS IMPORT LIST

HELP PASTE SHEET Species/Category USE SHEET Tag Type USE SHEET ADD TAGS BSNR

sheet	source	BSNR	EID/TAG	F2	F3	F4	F5	F6
A			90000000001					
A			90000000002					
A			90000000003					
A			90000000004					
B			90000000005					
B			90000000006					

Open the Excel/CSV in EXCEL and press CTRL+A and Copy CTRL+C to copy it
Click "PASTE SHEET" to paste the sheet
Link the correct fields, by right-clicking on each column
Ensure that the required fields BSNR and EID/TAG is linked correctly
Select correct species and Tag Type then click "ADD TAGS" to import

Notes:

The additional helper fields Location (arrival/departure), Reference Nr, Group Nr, Kraal Nr, Mass, buyer mark, seller mark, Sex and captured Lot Nr) will be of assistance should you want to link the tags to lots.

Import from FMTAG

MANAGE AND IMPORT TAGS FOR EVENT 20250924@LOCAL | AUCTION DATE=24/09/25, RMIS xfer @ 12H-noon, period 23/09 4AM-morning to 25/09 20PM-night

TAGS IMPORT CSV/XLS IMPORT LIST

FLEXIAUCTION MOBILE TAGSCAN

BSNR Species/Category C = Cattle Tag Type L = LowFrequency clear afterwards ADD TAGS BSNR

@ARRIVE

BSNR=A

90000000001
90000000002
90000000003
90000000004
>
BSNR=B

90000000005
90000000006

Paste the tag information from the location it was shared from 
Select correct species and Tag Type then click "ADD TAGS" to import

This function can also be used to import a standard list of tags for a specified BSNR.

A TAG-BSNR report will be generated for each BSNR from the "Manage & Import Tag" section as well as the "Invoicing | Print" screen

**PLEASE BE AWARE THAT THERE IS
NO CORRELATION AT ALL
BETWEEN
THE LOTS LISTED IN THE INVOICE AND THE 6/8 LOADING DOCS
AND
THE TAGS LISTED ON THE TAG-BSNR REPORT.**

SOURCE	BSNR	TAG
Source 1: 1000	B	
Source 2: 1000	B	
Source 3: 1000	B	
Source 4: 1000	B	
Source 5: 1000	B	
Source 6: 1000	B	
Source 7: 1000	B	
Source 8: 1000	B	
Source 9: 1000	B	
Source 10: 1000	B	
Source 11: 1000	B	
Source 12: 1000	B	
Source 13: 1000	B	
Source 14: 1000	B	
Source 15: 1000	B	
Source 16: 1000	B	
Source 17: 1000	B	
Source 18: 1000	B	
Source 19: 1000	B	
Source 20: 1000	B	
Source 21: 1000	B	
Source 22: 1000	B	
Source 23: 1000	B	
Source 24: 1000	B	
Source 25: 1000	B	
Source 26: 1000	B	
Source 27: 1000	B	
Source 28: 1000	B	
Source 29: 1000	B	
Source 30: 1000	B	
Source 31: 1000	B	
Source 32: 1000	B	
Source 33: 1000	B	
Source 34: 1000	B	
Source 35: 1000	B	
Source 36: 1000	B	
Source 37: 1000	B	
Source 38: 1000	B	
Source 39: 1000	B	
Source 40: 1000	B	
Source 41: 1000	B	
Source 42: 1000	B	
Source 43: 1000	B	
Source 44: 1000	B	
Source 45: 1000	B	
Source 46: 1000	B	
Source 47: 1000	B	
Source 48: 1000	B	
Source 49: 1000	B	
Source 50: 1000	B	
Source 51: 1000	B	
Source 52: 1000	B	
Source 53: 1000	B	
Source 54: 1000	B	
Source 55: 1000	B	
Source 56: 1000	B	
Source 57: 1000	B	
Source 58: 1000	B	
Source 59: 1000	B	
Source 60: 1000	B	
Source 61: 1000	B	
Source 62: 1000	B	
Source 63: 1000	B	
Source 64: 1000	B	
Source 65: 1000	B	
Source 66: 1000	B	
Source 67: 1000	B	
Source 68: 1000	B	
Source 69: 1000	B	
Source 70: 1000	B	
Source 71: 1000	B	
Source 72: 1000	B	
Source 73: 1000	B	
Source 74: 1000	B	
Source 75: 1000	B	
Source 76: 1000	B	
Source 77: 1000	B	
Source 78: 1000	B	
Source 79: 1000	B	
Source 80: 1000	B	
Source 81: 1000	B	
Source 82: 1000	B	
Source 83: 1000	B	
Source 84: 1000	B	
Source 85: 1000	B	
Source 86: 1000	B	
Source 87: 1000	B	
Source 88: 1000	B	
Source 89: 1000	B	
Source 90: 1000	B	
Source 91: 1000	B	
Source 92: 1000	B	
Source 93: 1000	B	
Source 94: 1000	B	
Source 95: 1000	B	
Source 96: 1000	B	
Source 97: 1000	B	
Source 98: 1000	B	
Source 99: 1000	B	
Source 100: 1000	B	



RMIS

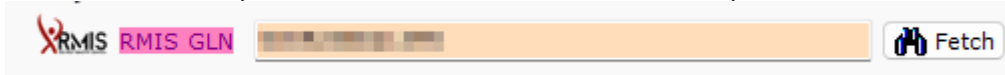
Prerequisites

Please obtain access token from RMIS for each auction venue
Contact us to link your access token with your auction venue.
Please treat your access tokens as private and in the strictest of confidence.

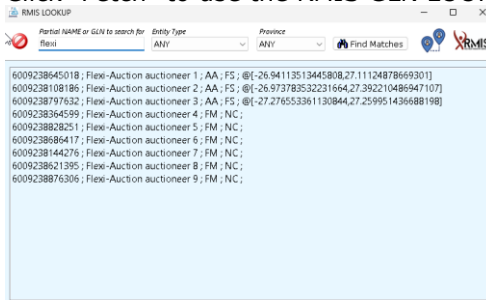
Request all customers to register for and obtain GLN numbers from RMIS
Please direct them to <https://productionunit.rmisis.co.za/>

Prior to uploading transfers to RMIS

Please ensure that the GLN is set for your EVENT
Please ensure that your MAP GPS coordinates is set correctly for the auction



Click "Fetch" to use the RMIS GLN LOOKUP function to find participants.



Please ensure that all participating customers GLN fields is also linked correctly.
You can use the same lookup function as above.

Ensure that ALL invoices and loading documentation is finalized and completed.
Ensure that ALL tags are correctly linked to the correct customers
Ensure that your auction is FINALIZED

Irrespective of when you do the uploads to RMIS,
all upload to RMIS will be effective at the auction date, 12h00 noon
and all queries will be from the day prior at 04h00 AM to the next day at 20h00 PM

Click



Click Login to refresh your access to the RMIS system
Click Query/Refresh to display the list of transfers already sent/received for this auction
You will be able to click "XFER to Buyer" or "XFER from seller" depending on the BSNR selected

When BSNR selected is a BUYER, you will be presented with a list of transfers (initially blank), Click "XFER to Buyer" to **SEND** all animals with tags to the selected BUYER
If no destination GLN is available no action is required, traceability will end at the auction.

The screenshot shows the 'RMIS [RU - RMIS UPLOAD]' interface. At the top, there are buttons for 'Login', 'Query/Refresh', 'XFER to Buyer' (highlighted in green), and 'XFER from Seller'. Below these buttons is a table with columns: XFER REF, XFER TID, cs, qty, gln.s, and r. The table is currently empty. Below this table is another table with columns: TAG1, TT1, LID, tags, S/R, and cs. This table contains four rows of data, all with 'LowFrequency' in the TT1 column.

When BSNR selected is a SELLER, you will be presented with a list of transfers (initially blank), Click "XFER from Seller" to **RECEIVE** all animals with tags from the selected SELLER
If the seller is not a RMIS-participant, you must still click "XFER from Seller", traceability will start at the auction.

The screenshot shows the 'RMIS [RU - RMIS UPLOAD]' interface. At the top, there are buttons for 'Login', 'Query/Refresh', 'XFER to Buyer', and 'XFER from Seller' (highlighted in red). Below these buttons is a table with columns: XFER REF, XFER TID, cs, qty, gln.s, and r. The table is currently empty. Below this table is another table with columns: TAG1, TT1, LID, tags, S/R, and cs. This table contains one row of data with 'LowFrequency' in the TT1 column.

Please note that if the seller is a RMIS-participant and already sent animals to your GLN, A new BSNR with the tag list will be created as "GLN<theGlnNumber>", you will now be able to right-click on each individual TransferID and either RECEIVE, REJECT or UPDATE the transfer.

The screenshot shows the 'RMIS [RU - RMIS UPLOAD]' interface. At the top, there are buttons for 'Login', 'Query/Refresh', 'XFER to Buyer', and 'XFER from Seller' (highlighted in red). Below these buttons is a table with columns: XFER REF, XFER TID, cs, qty, gln.s, and r. The table contains two rows of data. Below this table is another table with columns: TAG1, TT1, LID, tags, S/R, and cs. This table contains three rows of data. A right-click context menu is open over the first row of the second table, showing options: 'RECEIVE XFER', 'REJECT XFER', and 'UPDATE XFER'.

Select and then right-click on the tags list and select

The screenshot shows a blue button with the text 'Copy GLNx tags to BSNR'.

to link the tags to another BSNR for usage.

Right-click on animal or tag for a tag query or trace report on that tag.

--xXx--

Thank you

Please call us for any support.

PLEASE NOTE THAT ALL TRACEABILITY RELATED FUNCTIONALITY WILL BE UNDER CONSTRUCTIONS WHILE REGULATIONS AND OPERATIONAL PROCEDURES ARE FINALIZED.

NO FUNCTIONALITY ADDED IS GUARANTEED FOR OUR FINAL RELEASE. CORRECT WORKING AND CORRECT RESULTS ARE NOT GUARANTEED AND SHOULD NOT BE EXPECTED AT ALL. YOU ARE USING THIS MODULE AND THE RESULTS THEREOF AT YOUR OWN RISK.

THIS NOTICE WILL APPLY UNTIL ALL OUR TESTING IS DONE AND FUNCTIONS PRODUCES THE EXPECTED RESULTS.

PLEASE NOTE THAT FLEXIAUCTION DEVELOPMENT CHARGES ARE COVERED IN YOUR ANNUAL SUBSCRIPTIONS AS PER OUR T&C'S, HOWEVER, ALL HELPDESK SUPPORT, ASSISTANCE, ADVISE, TRAINING OR ANY SERVICE PROVIDED BY US RELATED TO TRACEABILITY, WILL BE CHARGED AT STANDARD RATES. WE RESERVE THE RIGHT TO CHARGE TRANSACTIONAL FEES.

*Wihan Kotze,
Revised 30/9/2025*