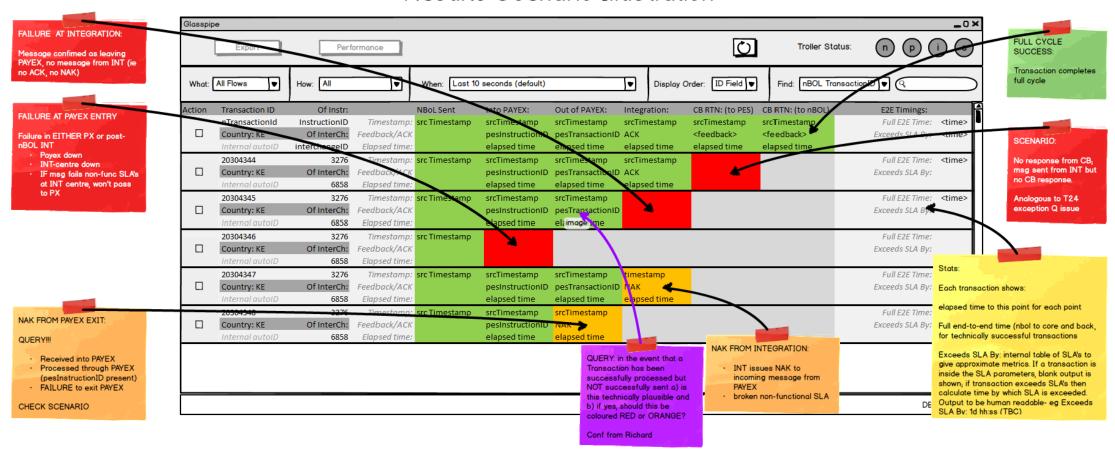
### Results Scenario Illustration



### SCENARIO:

#### Inspection of Kenyan flows

- Limited to KE (by selection)
- last 10 seconds (by default)
- · all trans (success & failure)
- · display order set to ID field

· 3 selected problem trans for

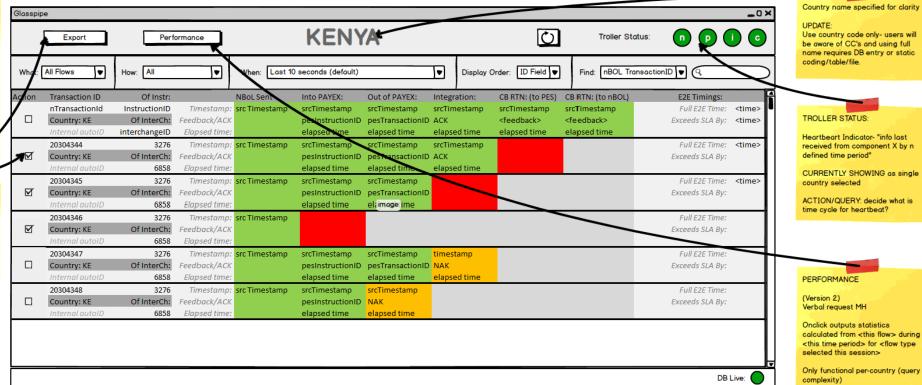
#### EXPORT FOR REPLAY

3 transactions are selected

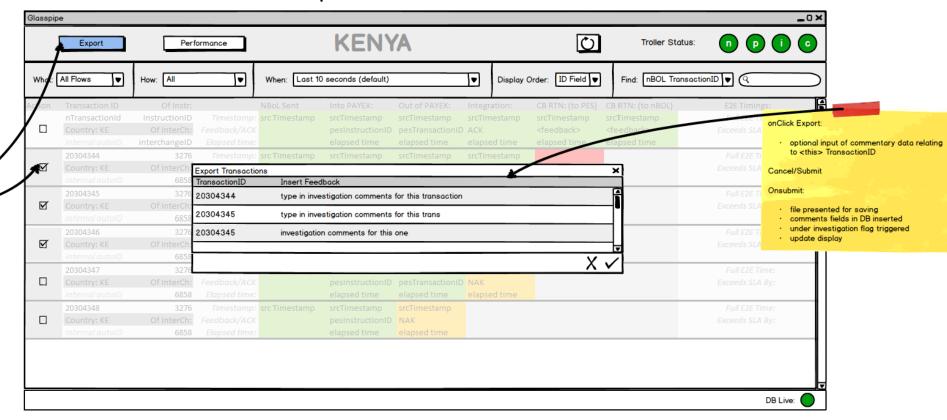
Export box becomes active, onclick exports out n data in CSV format

SEE EXPANSION MOCKUPS

## Country-Specific Scenario



# **Export Transactions**



#### EXPORT- SEQUENCE

- 1. n transactions are selected
- 2. Export button becomes active/ ungrays
- 3. Input dialogue presented for comments
- 4. Handling of dialogue & export file presentation
- 5. Refresh display

# Post-Export of Transactions

### Post-Export Display-

- display is refreshed
- · Export button re-grayed
- Relevant trans now have "under investigation" flag

#### FOR QUERY:

- should comments be displayed?
- option: as tooltip dialogue (if Java supports)
- option: in cell currently housing "KE" entry, move KE entry to cell holding country label (not necessary to repeat)

What:	All Flows	How: All	•	When: Last 10	seconds (default)		Display (	Order: ID Field ▼	Find: nBOL Transa	ctionID 🔻 🍳	
ion	Transaction ID	Of Instr:		NBoL Sent	Into PAYEX:	Out of PAYEX:	Integration:	CB RTN: (to PES)	CB RTN: (to nBOL)	E2E Timings:	
	nTransactionId	InstructionID	Timestamp:	src Timestamp	srcTimestamp	srcTimestamp	srcTimestamp	srcTimestamp	srcTimestamp	Full E2E Time:	<time< td=""></time<>
	Country: KE	Of InterCh:	Feedback/ACK		pesInstructionID	pesTransactionID	ACK	<feedback></feedback>	<feedback></feedback>	Exceeds SLA By:	<time< td=""></time<>
	Internal autoID	interchangeID	Elapsed time:		elapsed time	elapsed time	elapsed time	elapsed time	elapsed time		
DER	20304344	3276	Timestamp:	src Timestamp	srcTimestamp	srcTimestamp	srcTimestamp			Full E2E Time:	<time< td=""></time<>
]	Country: KE	Of InterCh:	Feedback/ACK		pesInstructionID	pesTransactionID	ACK			Exceeds SLA By:	
IV	Internal autoID	6858	Elapsed time:		elapsed time	elapsed time	elapsed time				
ER	20304345	3276	,	src Timestamp	srcTimestamp	srcTimestamp				Full E2E Time:	<time< td=""></time<>
	Country: KE	Of InterCh:	Feedback/ACK		pesInstructionID	pesTransactionID				Exceeds SLA By:	
IV	Internal autoID	6858	Elapsed time:		elapsed time	el: image ime					
DER	20304346	3276	,	src Timestamp						Full E2E Time:	
J IV	Country: KE	Of InterCh:	Feedback/ACK							Exceeds SLA By:	
•	Internal autoID	6858	Elapsed time:							- "	
,	20304347	3276	,	src Timestamp	srcTimestamp	srcTimestamp	timestamp			Full E2E Time:	
]	Country: KE	Of InterCh:	Feedback/ACK		pesInstructionID	pesTransactionID				Exceeds SLA By:	
	Internal autoID	6858	Elapsed time:	sus Timostan	elapsed time	elapsed time	elapsed time			Full E2E Time:	
	20304348 Country: KE	3276 Of InterCh:	rimestamp: Feedback/ACK	src Timestamp	srcTimestamp pesInstructionID	srcTimestamp				Exceeds SLA By:	
1	Internal autoID	6858	Elapsed time:		elapsed time	elapsed time				Exceeds SLA By:	

#### DEFAULTS SCENARIO:

#### Display:

- · set to all countries/CB's
- timespan: last 10 seconds (default value)
- · display all (default value)
- display order set to autoID's by default

#### Troller Status:

Grayed (too complex to show for all)

#### Export:

· Grayed as no trans are selected

#### Performance

 Grayed as performance only viewable per-country (not meaningful info across all flows; too complex to calculate or display)

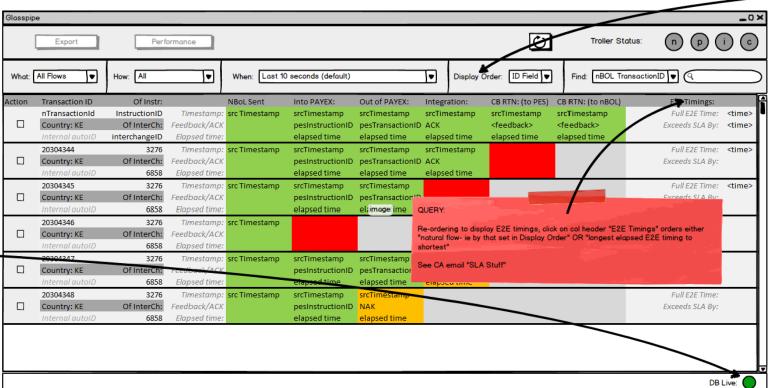
#### DB Live:

 shown as green; live connection to DB

#### Search:

- Useable
- nBOL TransactionID selected by default
- search reset button grayed outno search in progress

### Default / On Launch



Display Order

Either by internal auto\_inc ID or by sourceTimestamp- see CA email

NOTE: in principle this controls calculation of elapsed time between stages (BUT this could give negative times between stages due to lagging); cannot reorder cells in output table (this would give the visual impression that- for example-ITC could come before PAYEX, which is not possible)

TBC with Chris

#### Explanation/Example of This Display:

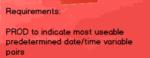
 6 Transactions in the database/log set. all of which have accurred in the last 6 seconds.

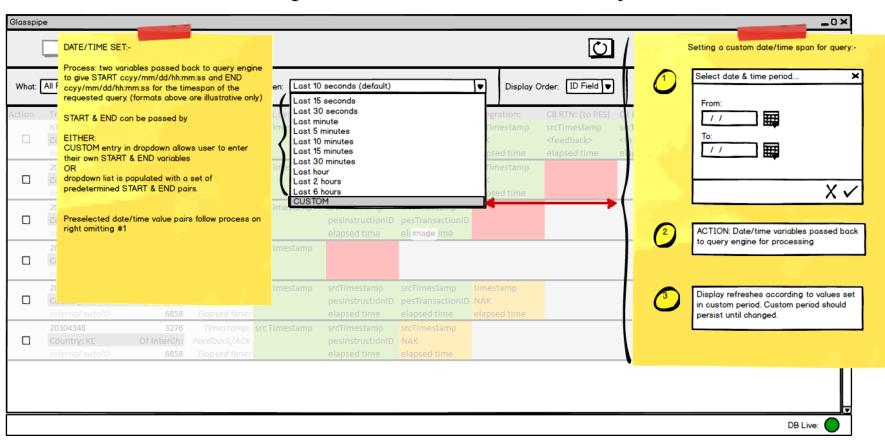
#### Display:-

Show me all the transactions that have occurred within the last 10 seconds, regardless of success or failure, showing most recent first.

For each transaction, give a visual representation of the end-to-end flow, with requested information colour-coded according to internal logic defined (see scenarios)

# Setting Time Parameters for Query

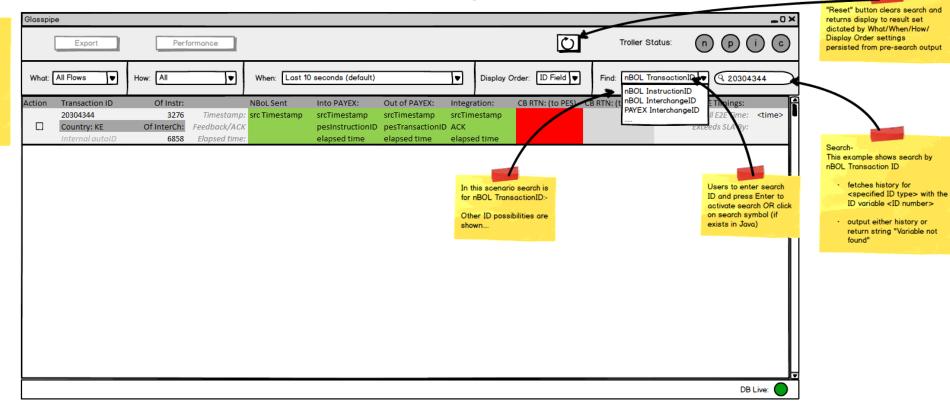




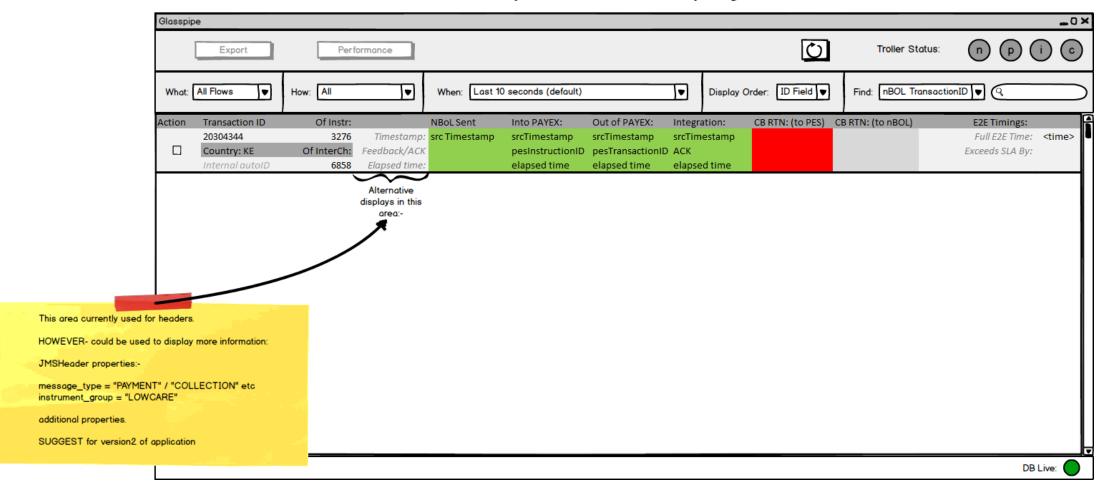
**Search Facility** 



Maintain values from pre-search state



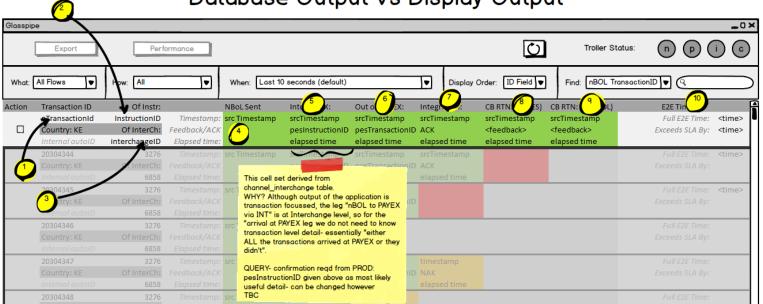
# Options For Display



Note- items below- use DB ID field entries for cross reference to GUI diagram:-

- 1. 20304434 == ID160 transactionId "nTrans01". nBOL creation of <this> transaction's ID; first item in tracking sequence
- 2. 3276 == ID160 instructionId "nInstr01".
  nBOL Instruction ID of which <this>
  transaction is part.
- 3. 6858 == Separate query/join to give this ref. This is the interchange ID, of which <this Instruction "3276"> is part
- 4. This entry is sourceTimestamp in row 162 (event created at sourceSystem=nBOL AND event=SENT for <this> transactionID).
- 5. This entry is (top down)- the sourceTimestamp of arrival at PAYEX, the resulting PAYEX InstructionID and the <calculated> "elapsed time to this point". Correlates to channel\_interchange tables. See additional notes for this cell set.
- 6. Relates to two rows: for the sourceSystem=PAYEX AND event=CREATE, display the sourceTimestamp, pesTransactionID and <calculated> "elapsed time to here" (ie row 168).
- IF < the next event> is sourceSystem=PAYEX AND event=SENT, colour cells green (trans created OK AND been sent) ELSE colour cells RED ("although transaction is created successfully within PAYEX, it has not been sent")
- 7. Row ID172. If sourceSystem=PAYEX AND event=MAX AND ackNak=ACK colour cell set green. If ackNak=NAK colour orange, ELSE red. Display is srcTimestamp=sourceTimestamp, the
- ackNak value (in this example shown as ACK) and <calculated> elapsed time to here.

### Database Output vs Display Output



8. Row174: if sourceSystem= PAYEX
AND event=CORE AND ackNak=ACK,
colour cells green, ELSE if ackNak=NAK
colour orange ELSE red.
src Timestamp=sourceTimestamp,
<feedback>= text
("CoreBanking\_reference").

#### 9. TBC/QUERY

SHOULD be final nBOL logging entry at Transaction level BUT this may only be available at Interchange level. If this is the case then values drawn from channel interchange table

#### CONFIRM WITH CHRIS

10. Composite Timings:
Full E2E time = elapsed time between
first sourceTimestamp entry for this
Transaction and final entry (either at
point 8 or point 9- TBC
Exceeds SLA By: see CA email. If SLA is
exceeded, colour that cell RED and
display value, else blank cell.

id !	instructionID	transactionId	pesInstructionID	pesTransactionID	insertTimestamp	sourceTimestamp	sourceSystem !	event !	ackNak	text	responseRequire
160	nInstr01	nTrans01			2014-10-01 16:55:55	2014-10-01 16:55:55	NBOL :	CREATE :		NULL	
162	nInstrØ1	nTransØ1	NULL	NULL	2014-10-01 16:55:55	2014-10-01 16:55:55	NBOL :	SENT :		NULL	1
165 I	nInstrØ1	nTrans01	I NULL	NULL	2014 10 01 16:55:55	2014 10 01 16:55:55 I	PAYEX I	RECD I		I NULL	I
68 1	nInstrØ1	nTransØ1	pInstr01	pTrans01	2014-10-01 16:55:55	2014-10-01 16:55:55	PAYEX :	CREATE !		Section A	1
69 1	nInstrØ1	nTransØ1	I ÑULL	NULL	2014-10-01 16:55:56	2014-10-01 16:55:55	PAYEX :	SENT !		NULL	:
.72 1	nInstrØ1	nTrans01 :	! NULL	NULL	2014-10-01 16:55:56	2014-10-01 16:55:55	POYEX :	MOX :	ACK :	! NULL	:
74	nInstrØ1	nTrans01	pInstr01	pTrans01	2014-10-01 16:55:56	2014-10-01 16:55:55	PAYEX :	CORE !	ACK	CoreBanking_reference	:
61 ¦	nInstrØ1	nTransØ2			2014-10-01 16:55:55	2014-10-01 16:55:55	NBOL	CREATE		NULL	l
	nInstrØ1		HULL	NULL	2014-10-01 16:55:55		MBOL :	SENT !		! NULL	:
66 I	nInstrØ1	nTrans02	NULL	NULL	2014-10-01 16:55:55		PAYEX :	RECD		NULL	:
	nInstrØ1	nTrans02	pInstr02	pTrans02	2014-10-01 16:55:56		PAYEX :	CREATE :		Section A	:
	nInetr01		NULL	NULL	2014-10-01 16:55:56		PAYEX :	SENT		! NULL	:
	nInstr01		: NULL	NULL	2014-10-01 16:55:56		PAYEX :		NAX	Error in something	:
75 I	nInstr05	nTransØ5			2014-10-01 16:55:56		NBOL :	CREATE :		NULL	:
	nInstrØ5		NULL	NULL	2014-10-01 16:55:56		NBOL :	SENT		NULL	! Y
	nInstrØ5	nTransØ6				2014-10-01 16:55:55		CREATE :		: NULL	:
	nInstr05		NULL	NULL	2014-10-01 16:55:56		NBOL	SENT :		: NULL	: Y
	nInstr10	nTrans10			2014-10-01 16:57:15		NROL	CREATE		NIIT.I.	
	nInstr10		NULL	NULL		2014-10-01 16:57:15		SENT		NULL	
	nInstr10		NULL	NULL		2014-10-01 16:57:15		RECD		NULL	
	nInstr10	nTrans11				2014-10-01 16:57:15		CREATE		NULL	
	nInstr10		NULL	NULL		2014-10-01 16:57:15		SENT		NULL	
86	nInstr10	nTrans11	NULL	NULL	2014-10-01 16:57:15	2014-10-01 16:57:15	PAYEX :	RECD		: NULL	:

