

APPENDIX C-4

QUANTITATIVE LOCATION RECONCILIATION (QLR) HISTORY TRANSACTION
CROSS-REFERENCE

1. PURPOSE/USE

This matrix will identify the use of Inventory Control Point (ICP) and storage activity history in the QLR Process. There are two tables contained in this appendix. The first table identifies the balance affecting transactions used in the QLR Process. The second table identifies the inventory type transactions that are excluded from the QLR Process and defines the reason for the exclusion.

2. REFERENCES

Defense Logistics Agency Manual (DLAM) 4140.2:

- (1) Applicable B Appendices.
- (2) E-024 P, Location Reconciliation Transaction History Mismatches.
- (3) F-024D, Location Reconciliation Transaction History Mismatches (USDF024D).
- (4) F-024F, Location Reconciliation Transaction History Mismatches Not Requiring Research (USDF024F).
- (5) F-024G, Location Reconciliation Transaction History Mismatches Variance (USDF024G).
- (6) Department of Defense (DoD) Manual 4000.25-2-M, Appendix C-14, Backorder (DG_).
- (7) Defense Logistics Agency Handbook (DLAH) 4140.9 Materiel Accountability Handbook, Volume I, Part 1, Chapter 2, Quantitative Location Reconciliation (QLR) Process.

3. EXPLANATION/FORMAT

a. The following headers are applicable to both tables one and two:

- (1) ICP INITIAL TRANS - The Document Identifier Code (DIC) of the input transaction affecting the ICP balance.
- (2) QUALIFYING CONDITIONS - Circumstances which must be met to include/exclude the ICP INITIAL TRANS from the SAMMS QLR process or details further explaining the use of the balance affecting transactions.
- (3) ICP HIST TRANS DIC - The DIC of the transaction affecting the ICP financial records.

(4) ICP HIST ORIG DIC - The DIC of the transaction processed by the SAMMS to the ICP balance.

(5) STG ACTY HIST TRANS DIC - The DIC of the transaction affecting the storage activity records.

(6) DZK ORIG DIC - The DIC passed by the storage activity to the QLR Process on the DZK transaction.

b. The following headers are applicable to table one only:

(1) +/- - This column indicates how the history transactions are applied to the aggregate totals, if mismatched. If the mismatched history transaction is a reversal, the quantity is applied to the aggregate totals using the opposite action of the one identified.

(2) Transaction Match Criteria - The criteria used to match ICP and storage activity history transactions. Mismatches on any of these fields will result in identification of the transaction as mismatched.

(3) The following header is applicable to table two only:

(4) Reason for Exclusion - The reason(s) why the inventory transactions are not included in the QLR Process.

QUANTITATIVE LOCATION RECONCILIATION (QLR) HISTORY MATRIX
BALANCE AFFECTING HISTORY INCLUDED

ICP INITIAL TRANS	QUALIFYING CONDITIONS	ICP HIST TRANS DIC	ICP HIST ORIG DIC	STG ACTY HIST TRANS DIC	DZK ORIG DIC	+/-	TRANSACTION MATCH CRITERIA
A0_		D7_	A0_	D7_	A5_	+	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY
A2_		D7_	A2_	D7_	A2_	+	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY
A3_		D7_	A3_	D7_	A5_	+	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY
A4_		D7_	A4_	D7_	A5_	+	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY
A6_		D7_ (R)	A6_	D7_ (R)	A6_ (R)	+	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY
AE6	EXCEPT STAT CD BY	D7_ (R)	AE6	D7_ (R)	A5_ (R)	+	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY
AE6	STAT CD BY	D7_ (R)	AE6	D7_ (R)	A6_ (R)	+	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY
AEJ	EXCEPT STAT CD BY	D7_ (R)	AEJ	D7_ (R)	A5_ (R)	+	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY
AEJ	STAT CD BY	D7_ (R)	AEJ	D7_ (R)	A6_ (R)	+	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY
AG6		D7_ (R)	AG6	D7_ (R)	AC6 (R)	+	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY
AGJ		D7_ (R)	AGJ	D7_ (R)	ACJ (R)	+	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY
AM_		D7_	AM_	D7_	A5_	+	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY
AM_	SEE NOTE 3	N/A N/A	N/A N/A	D7_ (R) D7_	AM_ (R) A5_		N/A DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY
ARA		D7_	ARA	D7_	ARA	+	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY
ARB		D7_ (R)	ARB	D7_ (R)	ARB (R)	+	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY
ARK	SEE NOTE 6	D7_	ARK	D7_	ARK	+	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY
ARL	SEE NOTE 6	D7_ (R)	ARL	D7_ (R)	ARL (R)	+	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY

QUANTITATIVE LOCATION RECONCILIATION (QLR) HISTORY MATRIX
BALANCE AFFECTING HISTORY INCLUDED

ICP INITIAL TRANS	QUALIFYING CONDITIONS	ICP HIST TRANS DIC	ICP HIST ORIG DIC	STG ACTY HIST TRANS DIC	DZK ORIG DIC	+/-	TRANSACTION MATCH CRITERIA
AT_		D7_	AT_	D7_	A5_	+	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY
AX2		D7_	AX2	D7_	A5_	+	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY
D4_	SEE NOTE 1	D4_	D4_	D4_	D4_	-	DIC, STG ACTY RIC, NSN, CC, CONTR, CLIN, CALL, RVSL IND, QTY, SHPNO, DT
D4_	MGMT CD Y	D4_	D4_	D4_	D4_	-	DIC, STG ACTY RIC, NSN, CC, CONTR, CLIN, CALL, RVSL IND, QTY, SHPNO, DT
		D9A	D4_	D9A	D9A	+	DIC, STG ACTY RIC, NSN, CC, DOCNO, CLIN, CALL, SFX, RVSL IND, QTY
D4_ OVERAGE	SEE NOTE 2	D4_ CC A	D4_ CC A	D4_ CC A	D4_ CC A	-	DIC, STG ACTY RIC, NSN, CC, CONTR, CLIN, CALL, RVSL IND, QTY, SHPNO, DT
		D4_ CC L	D4_ CC L	N/A	N/A	-	DIC, STG ACTY RIC, NSN, CC, CONTR, CLIN, CALL, RVSL IND, QTY, SHPNO, DT
D6_	SEE NOTE 1	D6_	D6_	D6_	D6_	-	DIC, STG ACTY RIC, NSN, CC, CONTR/DOCNO, RVSL IND, QTY, SHPNO, DT
D6_	MGMT CD Y	D6_	D6_	D6_	D6_	-	DIC, STG ACTY RIC, NSN, CC, CONTR/DOCNO, RVSL IND, QTY, SHPNO, DT
		D9A	D6_	D9A	D9A	+	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY (If contract, criteria will include CLIN and CALL)
D6_	CC H and MGMT CD E, J, M, or T	D6_	D6_	D6_	D6_	-	DIC, STG ACTY RIC, NSN, CC, CONTR/DOCNO, RVSL IND, QTY, SHPNO, DT
		D7J	D6_	D7J	A5J	+	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY
D8A		D8A	D8A	D8A	D8A	-	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY
D8F		D8F	D8F	N/A	N/A	-	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY
D8J		D8J	D8J	D8J	D8J	-	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY

QUANTITATIVE LOCATION RECONCILIATION (QLR) HISTORY MATRIX
BALANCE AFFECTING HISTORY INCLUDED

ICP INITIAL TRANS	QUALIFYING CONDITIONS	ICP HIST TRANS DIC	ICP HIST ORIG DIC	STG ACTY HIST TRANS DIC	DZK ORIG DIC	+/-	TRANSACTION MATCH CRITERIA
D8Z		D8Z	D8Z	D8Z	D8Z	-	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY
D9A		D9A	D9A	D9A	D9A	+	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY
D9G		D9G	D9G	D9G	D9G	+	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY
D9H		D9H	D9H	D9H	D9H	+	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY
D9J		D9J	D9J	D9J	D9J	+	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY
D9Z		D9Z	D9Z	D9Z	D9Z	+	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY
DAC	EXCEPT CC H and MGMT CD E, J, M, or T	D9C	DAC	D9C	D9C	+	DIC, STG ACTY RIC, NSN, CC, CONTR/DOCNO, SFX, RVSL IND, QTY (If contract, criteria will include CLIN and CALL)
		D8C	DAC	D8C	D8C	-	DIC, STG ACTY RIC, NSN, CC, CONTR/DOCNO, SFX, RVSL IND, QTY (If contract, criteria will include CLIN and CALL)
DAC	CC H and MGMT CD E, J, M, or T	D9C	DAC	D9C	D9C	+	DIC, STG ACTY RIC, NSN, CC, CONTR/DOCNO, SFX, RVSL IND, QTY (If contract, criteria will include CLIN and CALL)
		D8C	DAC	D8C	D8C	-	DIC, STG ACTY RIC, NSN, CC, CONTR/DOCNO, SFX, RVSL IND, QTY (If contract, criteria will include CLIN and CALL)
		D7J	DAC	D7J	A5J	+	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY
DEE		D8E	DEE	D8E	D8E	-	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY
DEF		D8F	DEF	D8E	D8E	-	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY
DG_		D7_	DG_	D7_	A5_	+	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY
ZD6		D7_	ZD6	D7_	A5_	+	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY

QUANTITATIVE LOCATION RECONCILIATION (QLR) HISTORY MATRIX
BALANCE AFFECTING HISTORY INCLUDED

ICP INITIAL TRANS	QUALIFYING CONDITIONS	ICP HIST TRANS DIC	ICP HIST ORIG DIC	STG ACTY HIST TRANS DIC	DZK ORIG DIC	+/-	TRANSACTION MATCH CRITERIA
ZD7		D7_	ZD7	D7_	A5_	+	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY
ZLC		D7J	ZLC	D7J	A5J	+	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY
ZLL		D7_	ZLL	D7_	A5_	+	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY
ZLM		D7_	ZLM	D7_	A5_	+	DIC, STG ACTY RIC, NSN, CC, DOCNO, SFX, RVSL IND, QTY

QUANTITATIVE LOCATION RECONCILIATION (QLR) HISTORY MATRIX
BALANCE AFFECTING HISTORY EXCLUDED

ICP INITIAL TRANS	QUALIFYING CONDITIONS	ICP HIST TRANS DIC	ICP HIST ORIG DIC	STG ACTY HIST TRANS DIC	DZK ORIG DIC	REASON FOR EXCLUSION
A0_	ADV CD 8D, 8E, 8G (All) 8Q (Medical Only)	D7_	A0_	D7_	A5_	Offsetting transaction with D6U/ZL_. Applied only at ICP.
A2_	ADV CD 8D, 8E, 8G (All) 8Q (Medical Only)	D7_	A2_	D7_	A2_	Offsetting transaction with D6U/ZL_. Applied only at ICP.
A3_	ADV CD 8D, 8E, 8G (All) 8Q (Medical Only)	D7_	A3_	D7_	A5_	Offsetting transaction with D6U/ZL_. Applied only at ICP.
A4_	ADV CD 8D, 8E, 8G (All) 8Q (Medical Only)	D7_	A4_	D7_	A5_	Offsetting transaction with D6U/ZL_. Applied only at ICP.
A6_	MGMT CD 6 or 7 (BounceBacks)	D9B	A6_	N/A	N/A	Accounting adjustment applied only at ICP.
A6_		D9D	A6_	N/A	N/A	Applied at ICP only for Purpose Code L balances.
AE6	STAT CD BY and MGMT CD 6 or 7	D9B	AE6	N/A	N/A	Accounting adjustment applied only at ICP.
AE6	STAT CD BY	D9D	AE6	N/A	N/A	Accounting adjustment applied only at ICP.
AE6	STAT CD BY and MGMT CD A	D9G	AE6	N/A	N/A	Adjustment applied at ICP only; previously denied by storage activity.

QUANTITATIVE LOCATION RECONCILIATION (QLR) HISTORY MATRIX
BALANCE AFFECTING HISTORY EXCLUDED

ICP INITIAL TRANS	QUALIFYING CONDITIONS	ICP HIST TRANS DIC	ICP HIST ORIG DIC	STG ACTY HIST TRANS DIC	DZK ORIG DIC	REASON FOR EXCLUSION
AEJ	STAT CD BY and MGMT CD 6 or 7	D9B	AEJ	N/A	N/A	Accounting adjustment applied only at ICP.
AEJ	STAT CD BY	D9D	AEJ	N/A	N/A	Applied at ICP only for Purpose Code L balances.
AEJ	STAT CD BY and MGMT CD A	D9G	AEJ	N/A	N/A	Adjustment applied at ICP only; previously denied by storage activity.
AM_	ADV CD 8D, 8E, 8G (All) 8Q (Medical Only)	D7_	AM_	D7_	A5_	Offsetting transaction with D6U/ZL_. Applied only at ICP.
ARA		D8B	ARA	D8A	ARA	Accounting adjustment applied only at ICP.
ARK		D8B	ARK	D8A	ARK	Accounting adjustment applied only at ICP.
AT_	ADV CD 8D, 8E, 8G (All) 8Q (Medical Only)	D7_	AT_	D7_	A5_	Offsetting transaction with D6U/ZL_. Applied only at ICP.
AX2	ADV CD 8D, 8E, 8G (All) 8Q (Medical Only)	D7_	AX2	D7_	A5_	Offsetting transaction with D6U/ZL_. Applied only at ICP.
D4_	MGMT CD L or K	D4_	D4_	N/A	N/A	Offsetting transactions
D4_		D9A	D4_	N/A	N/A	
D8A	QTY of Zero	D8A	D8A	D8A	D8A	No balance adjustment

QUANTITATIVE LOCATION RECONCILIATION (QLR) HISTORY MATRIX
BALANCE AFFECTING HISTORY EXCLUDED

ICP INITIAL TRANS	QUALIFYING CONDITIONS	ICP HIST TRANS DIC	ICP HIST ORIG DIC	STG ACTY HIST TRANS DIC	DZK ORIG DIC	REASON FOR EXCLUSION
D9A		D8B	D9A	N/A	N/A	Result of processing a D9A and the quantity exceeds the ICP On-Hand Balance. The D8B gain is only applied to the ICP records.
D9F		D9F	D9F	N/A	N/A	Manual action applied at ICP only.
DAD		D8D	DAD	N/A	N/A	Purpose Code Transfer applicable at the ICP only.
DAD		D9D	DAD	N/A	N/A	Purpose Code Transfer applicable at the ICP only.
DEE		D9E	DEE	D9E	D9E	Logistics Loss. Records not reconciled at LIM after Effective Transfer Date.
DEF		D9F	DEF	D9E	D9E	Logistics Loss. Records not reconciled at LIM after Effective Transfer Date.
DFK (R) DFK (R)		D6K D9A	DFK (R) D6K	N/A N/A	N/A N/A	Manual action applied at ICP only.
DG_	ADV CD 8D, 8E, 8G (All) 8Q (Medical Only)	D7_	DG_	D7_	A5_	Offsetting transaction with D6U/ZL_. Applied only at ICP.
DZH		D8B	DZH	N/A	N/A	Accounting adjustment applicable to ICP records only.
DZH		D9B	DZH	N/A	N/A	Accounting adjustment applicable to ICP records only.
N/A		N/A	N/A	D7_ (R)	OOP (R)	SEE NOTE 4
N/A		N/A	N/A	D7_ (R)	XUI (R)	SEE NOTE 5

QUANTITATIVE LOCATION RECONCILIATION (QLR) HISTORY MATRIX
BALANCE AFFECTING HISTORY EXCLUDED

ICP INITIAL TRANS	QUALIFYING CONDITIONS	ICP HIST TRANS DIC	ICP HIST ORIG DIC	STG ACTY HIST TRANS DIC	DZK ORIG DIC	REASON FOR EXCLUSION
ZD6	ADV CD 8D, 8E, 8G (All) 8Q (Medical Only)	D7_	ZD6	D7_	A5_	Offsetting transaction with D6U/ZL_. Applied only at ICP.
ZD7	ADV CD 8D, 8E, 8G (All) 8Q (Medical Only)	D7_	ZD7	D7_	A5_	Offsetting transaction with D6U/ZL_. Applied only at ICP.
ZLC	ADV CD 8D, 8E, 8G (All) 8Q (Medical Only)	D7_	ZLC	D7J	A5J	Offsetting transaction with D6U/ZL_. Applied only at ICP.
ZLL	ADV CD 8D, 8E, 8G (All) 8Q (Medical Only)	D7_	ZLL	D7_	A5_	Offsetting transaction with D6U/ZL_. Applied only at ICP.
ZLM	ADV CD 8D, 8E, 8G (All) 8Q (Medical Only)	D7_	ZLM	D7_	A5_	Offsetting transaction with D6U/ZL_. Applied only at ICP.
ZLW		D9F	ZLW	N/A	N/A	Logistics Loss. Records not reconciled at LIM after Effective Transfer Date.
ZRY		D8K	D8K	D8K	N/A	Catalog change independently applied by ICP/Storage Activity.
ZRY		D9K	D9K	D9K	N/A	Catalog change independently applied by ICP/Storage Activity.

NOTES:

1. Special circumstances exist for this DIC; see other entries in the table.
2. When the quantity of stock for a contract line is greater than the quantity due-in plus the variances, the quantity due-in is placed into stock using an ICP History Originating DIC of D4_ and an ICP History Transaction DIC D4_ as Condition Code (CC) A. The extra amount is placed into stock using the same DICs as CC L. A DAC transaction is generated to the storage activity for the amount of stock in CC L. Currently, DSS does not accept a DAC transaction from external sources. This scenario will be mismatched between the ICP and storage activity, even if DSS is changed to accept DAC transactions from external sources. This issue will eventually be pursued by DLSC.
3. DSS backs out Materiel Release Orders (MROs) that have not reached the allocation process. A D7_ (R) is posted. The MRO is modified and placed back into entry with no dupe check.
4. When a MRO is incorrectly entered via DSS Online Processing, it is reversed, making the DSS Hist Trans DIC D7_ (R) and the DZK Orig DIC of OOP. The original A5_/D7 transaction in DSS will also reflect an originating DIC of OOP once the reversal is posted.
5. Residual MROs are backed out due to a UI change (only non 1-for-1 conversions), reflecting a DSS Hist Trans DIC D7_ (R) with a DZK Orig DIC of XUI. The MRO is then placed back into entry and will violate in DSS for manual correction.
6. DSS recomputes the shipment quantity up-front for A5Js that have retention quantities based on the owner's on-hand balance. The difference in the original shipment quantity and the recomputed shipment quantity is contained in the initial D7_ (D7J/A5J) in DSS. The ARK/ARL is generated at the time of pack/confirmation and may generate an additional D7_ or D7_ (R) in DSS (Org DIC ARK/ARL) for the quantity the selector may have over/under picked. The SAMMS and DSS D7J/A5J and D7_/ARK D7_ (R)/ARL quantities will not match. It is recognized that this causes disconnects and DLSC is pursuing resolution.