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ITEM TYPE STORAGE CODES(U) ARMY MATERIEL COMMAND
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PROJECT REPORT
AMC 12-87

JANUARY 1988

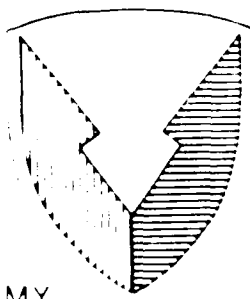
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ITEM TYPE STORAGE CODES

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PACKAGING, STORAGE, AND CONTAINERIZATION CENTER

TOBYHANNA, PENNSYLVANIA 18466-5097

ABSTRACT

Item Type Storage Codes (ITSCs) are developed by the Army Master Data File (AMDF) originators for utilization by storage activities in determining mandatory storage requirements. This project determined that the criteria used to assign ITSCs are not adequate for proper utilization at storage activities. Additionally, it was determined that development of ITSCs should be mandatory, ITSCs should be easily accessible at time of receipt, and the Required Storage and Type Space Incompatibility Listing is of no value to the depots using the current logic. This project addresses only ITSCs for general supply items and hazardous commodities.



DEPARTMENT OF THE ARMY

HEADQUARTERS TOBYHANNA ARMY DEPOT

TOBYHANNA, PENNSYLVANIA
18466-5097

REPLY TO
ATTENTION OF

SDSTO-TM (310-11)

22 SEP 1987

MEMORANDUM FOR: SEE DISTRIBUTION

SUBJECT: Amendment to Item Type Storage Codes, AMC Project No. 12-87

1. A logic inconsistency was discovered in the implementation priorities for storage incompatibility listings contained in appendix F of subject report. Enclosed is a revised page (F-1) to be used in lieu of the original. This new priority listing will place emphasis on moving materiel from outside storage to inside storage rather than the movement of materiel from inside storage to better inside storage (e.g., unheated general purpose to controlled humidity).

2. Point of Contact, this Center, is Mr. Kenneth R. Hill, AUTOVON 795-7145.

FOR THE COMMANDER:

Encl

James W. Monte
J. W. MONTÉ
Director

AMC Packaging, Storage,
and Containerization Center

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U.S. ARMY MATERIEL COMMAND
PACKAGING, STORAGE, AND CONTAINERIZATION CENTER
Tobyhanna, PA 18466-5097

ITEM TYPE STORAGE CODES

AMC Project Report 12-87

LINDA M. KILPATRICK
Distribution Facilities Specialist

SUSAN J. SHERIDAN
Packaging Specialist

CHARLOTTE A. LENT
Operations Research Analyst

January 1988

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1. Introduction. a. ITSCs are developed by AMDF originators to identify the required type of storage for Army-used items. The ITSC is a one-position code assigned to each national stock numbered (NSN) item for each level of protection (LOP). The ITSC is assigned by the packaging specialist during the procurement process and is entered through the Commodity Command Standard System into the packaging segment of the AMDF.

b. The extent to which ITSC information is being utilized has been questioned. Pertinent regulations were reviewed for guidance in the development and usage of ITSCs. Also, data on code development and usage were gathered from the Catalog Data Activity (CDA), surveys to the AMDF originators and the U. S. Army Depot System Command (DESCOM) depots, and visits to three DESCOM depots and the Logistic Systems Support Activity (LSSA).

2. Discussion. a. A review of pertinent regulatory and other guidance provided the following:

(1) SB 740-1, Storage and Supply Activities Covered and Open Storage, was recently rescinded. Type storage data has been extracted from this publication and entered into the AMDF. Residual policy provided in SB 740-1, except for the guidance relating to commercial packaging and specific LOPs, has been incorporated into the revision of AR 740-1, Storage and Supply Activity Operations. The revision is expected to be distributed for staffing in February 1988.

(2) AR 708-1, Cataloging and Supply Management Data, table 7-29, provides a list of current ITSCs and their definitions (see app A).

(3) AR 740-1, Storage and Supply Activity Operations, chapter 6, section III, Selection Criteria for Storing Supplies in Covered and Open Storage, establishes responsibility for the identification of supply items as to required type of storage and criteria for use of storage facilities. As stated in paragraph 2a(1), AR 740-1 has been revised to include more specific guidance in the selection criteria for storing supplies in covered and open storage.

(4) A letter, DRCMM-ST, dated 15 June 1978, subject: Item Type Storage (ITS) Codes, provided specific guidance on the development of ITSCs based on LOP.

b. The following data was obtained from CDA:

(1) A tabulation of NSNs with and without ITSCs, by file originator and management (Army/non-Army).

(2) A tabulation of NSNs with more than one LOP established, by whether all ITSCs for the NSN matched or differed, file originator, and management.

(3) A sampling of NSNs with differing ITSCs.

(4) Usage of each ITSC by LOP and file originator.

A summary of this data is provided at appendix B. This data shows that the ITSCs were developed based largely on the guidance in SB 740-1 and the 1978 policy letter (i.e., LOP C requires controlled humidity storage, LOP B requires heated general purpose warehouse storage, and LOP A requires unheated general purpose warehouse storage). Additionally, the Z ITSC (no mandatory storage), which does not meet the depots' need for guidance in assigning a storage environment, is being used as a standard fill instead of developing meaningful data. This is particularly evident when one examines the ITSCs established for LOP N (where no packaging data has been developed).

c. Results of surveys.

(1) DESCOM depots.

(a) Depots are not utilizing ITSCs from the AMDF to determine required storage environment.

(b) Depots are storing materiel in accordance with locally developed criteria. Examples of this criteria are availability of storage space, size, security classification, type, quantity, and shelf-life of commodity. LOP as a criterion is conspicuously absent. The depots need a means of identifying the proper storage environment. This data should be provided by the file originators because of their unique knowledge of the items they manage.

(c) Most depots do not use the Required Storage and Type Space Incompatibility Listing.

(2) There is no uniformity in criteria used by the AMDF originators to develop ITSCs. Most AMDF originators base the ITSC on the LOP only, while the remainder are equally split between basing them on item characteristics only or a combination of the two factors. Some of the differences in criteria may be due to the differing types of materiel managed by each AMDF originator.

d. Following are the results of visits to Tobyhanna Army Depot, New Cumberland Army Depot, Letterkenny Army Depot, and LSSA.

(1) The depots use a three-position Type Storage Code. This code is used to identify each location as to type space or environment in which the location is situated (first position), the type storage aid used (second position), and the size of the location (third position). TSCs, first position of the Type Storage Code, and their definitions are provided at appendix C. An ITSC and TSC matrix is used within the Standard Depot System (SDS). This matrix is provided at appendix D.

(2) The TSC is assigned and placed on the receipt documentation by the in-checker without referencing the ITSC. The TSC is then entered by the terminal operator while processing the receipt to record. ITSCs (required storage) are only available to the terminal operator through separate inquiry into the SAMQAV file (available now at some depots and expected to be on-line for all the depots by the end of FY 88) or by manually referring to the AMDF (microfiche). Because of the delay required to access an additional file or

refer to the AMDF, the TSC is taken directly from the receipt documentation.

(3) The SDS accesses only one of three possible ITSCs on record for an NSN. The one ITSC accessed is from the LOP that was most recently updated. Without researching the AMDF, it is not possible to determine with which LOP the ITSC is associated. The LOP is required to properly store materiel utilizing ITSCs available in the AMDF. However, the LOP is not picked up to record during the receiving process, nor is materiel stored by LOP.

(4) The Required Storage and Type Space Incompatibility Listing was designed to identify NSNs which have been placed in locations that are incompatible with the ITSC. A sample listing is provided at appendix E.

(a) Currently, the listing does not serve as a useful tool to the depots. An ITSC for all three LOPs is required to determine if the materiel is stored in the proper storage environment. Since the SDS provides only one ITSC per NSN, the listing cannot serve its intended purpose. Use of the information provided in the listing requires that personnel select an NSN, travel to the storage location, obtain the LOPs marked on the materiel, and manually refer to the AMDF to determine if the materiel is stored in the proper storage environment.

(b) If the materiel is in a storage environment better than the required type (e.g., unheated storage space is required and the materiel is stored in heated or controlled humidity), the NSN appears on the listing. When no ITSC has been established for an item, when the NSN is not listed in the AMDF, or when the item is identified by part number rather than an NSN, an entry appears on the listing with a "0" under the ITSC column. The "0" code is not an approved ITSC; however, these entries account for approximately 30 percent of the total. The listing is too voluminous to be a good working tool, not in order by priority of changes, and contains erroneous data.

e. A review to determine the impact on the depots of storing by three levels of protection was conducted. This review provided the following:

(1) Occupancy data were extracted from Storage Space Management Reports (SSMRs), dated 31 March 1987, 1986, and 1985. This data is depicted at appendix F. AR 740-1 states that utilization of covered space, exclusive of igloos and magazine space, will seek an occupancy level of 85 percent of net storage space available. As indicated in appendix G, the percent occupancy at most depots exceeds the 85 percent standard. This indicates that depots do not have the additional space required to store by LOPs.

(2) The ITSC data provided by the CDA indicated that 60 percent of Army-used NSNs that had more than one LOP established had differing ITSCs assigned. This percentage indicates that storing materiel by three LOPs would result in each NSN having two or three locations established. This could result in poor utilization of cube space and would increase the number of locations that must be surveyed and inventoried. Also, operating costs would increase in that additional storage aids and materials handling equipment would be required; and costs/time for stock storage and selection would increase, as well.

f. New logic was developed for the Required Storage and Type Space Incompatibility Listing and is provided at appendix F. This logic is based on the guidance in AR 740-1, in which storage environments are ranked from most to least protective (i.e., controlled humidity, heated general purpose warehouse, unheated general purpose warehouse, and shed) to facilitate substitution when the required type is not available.

g. The depots cannot provide the extra locations necessary to store by LOP due to the shortage of storage space. Storage based on LOP also fails to consider that the item characteristics (e.g., plated or painted metal or nondeteriorative materials) may minimize the benefit that an item receives from controlled humidity storage as compared to general purpose warehouse storage. An alternative to the current policy which would ensure adequate storage regardless of preservation is developing only one ITSC per item, based on the item characteristics when packaged to minimum military requirements as stated in the AMDF. New logic was developed which will allow established ITSCs to be converted into one ITSC per NSN based on the ITSC from the lowest established LOP, but which also downgrades storage slightly when a bias towards ITSC C on the lowest level is evident. This conversion logic is presented in appendix H.

h. ITSC data were obtained from all the services and the Defense Logistics Agency (DLA). A list of proposed Department of Defense (DOD) ITSCs was developed and coordinated. It was determined that, at this time, DOD ITSCs could not be agreed upon by the services and DLA.

i. Within the Army, several depots requested an expansion of ITSCs to identify different classes of hazardous materials. As indicated in appendix B, ITSC "Q" for hazardous materials was used in only 258 instances (total for LOPs A, B, and C) in the entire AMDF. This Center is currently working on an initiative in the area of hazardous materials. This initiative involves the development of Hazardous Characteristic Codes that designate the primary and secondary hazards associated with the item and provide for stock segregation. Pending completion of this initiative, ITSC expansion for hazardous materials is not feasible.

3. Conclusions. a. The depots are not utilizing the ITSCs in the AMDF to determine the required storage environment. This is because the ITSC is not readily accessible at time of receipt.

b. The development of ITSCs by the file originators should be mandatory to ensure that the depots are informed of the storage environment required for proper storage of materiel.

c. AMDF originators do not use uniform criteria in assigning ITSCs.

d. Depots do not have space available to store materiel by LOP. Also, storage by LOP will result in poor utilization of cubic space and increased operating costs.

e. The current method of basing the ITSC on the LOP is not necessary because adequate protection can be provided by developing and using only one ITSC, based on minimal military packaging requirements.

f. The Required Storage and Type Space Incompatibility Listing is of no value to the depots using the current logic.

g. It is not feasible to pursue DOD ITSCs at this time.

h. ITSC "Q" should remain the same, pending completion of the hazardous materials initiative being conducted at this Center.

4. Recommendations. a. That a reject message be developed to alert the terminal operator when the TSC and ITSC are not compatible.

b. That the ITSC be furnished the depot in the Prepositioned Materiel Receipt Document. This will provide the depot advance notice of the storage environment required for incoming receipts so that appropriate space can be provided.

c. That development of ITSCs for each NSN be mandatory and that ITSC "Z" be eliminated. If an ITSC is developed for each NSN, there will not be a need for ITSC "Z."

d. That ITSC "Z" in the AMDF be overlaid with ITSC "B."

e. That the Army file originators develop only one ITSC per NSN to be input on all LOPs for that NSN.

f. That Army file originators base the ITSC on the characteristics of the item when packaged to minimum military requirements.

g. That when more than one ITSC exists for an NSN, the AMDF be changed in accordance with the conversion logic provided in appendix H.

h. That depots assign a TSC conforming to the ITSC to the greatest extent possible. The depots may downgrade storage of materiel when justified by better than minimum preservation.

i. That the redesigned logic for the Required Storage and Type Space Incompatibility Listing be implemented.

j. That depots request a Required Storage and Type Space Incompatibility Listing at least quarterly for review and action, as required.

k. That a program change be implemented to allow parts I and II of the Required Storage and Type Space Incompatibility Listing to be printed independently of each other.

l. That DOD ITSCs not be pursued at this time.

m. That the ITSC for hazardous materials not be expanded, pending completion of the AMCPSCC hazardous materials initiative.

n. That AMCPSCC prepare System Change Requests and submit changes to pertinent regulations, as required, to implement approved recommendations.

Appendix A

ITSCs

<u>Code</u>	<u>Definition</u>
A	Heated warehouse space (general purpose)
B	Unheated warehouse space (general purpose)
C	Controlled humidity space
E	Chill space
F	Freeze space
G	Shed, nonwarehouse space
H	Hazardous commodity space (nonclass V items (e.g., acids, compressed gases, radioactive materiel, etc.))
I	Open space (materiel may be stored in open storage)
J	Storage space for ammunition items (class W) covered in other regulations
Z	A storage environment identified by one of the above codes is not mandatory

Appendix B

Analysis of ITSC Use Within the AMDF (as of 1 Sep 87)

	<u>Number</u>	<u>Percent of Total</u>
Total Army-used NSNs	1,300,000	100.0 %
With one or more LOP	699,022	53.8 %
No LOPs established	600,978	46.2 %
Of NSNs with no LOPs established:	600,978	
ITSC is Z	437,791	72.8 %
No ITSC established	162,006	27.0 %
Another ITSC established	1,181	0.2 %
Of NSNs with LOP(s) established:	699,022	
LOP A is established	488,754	69.9 %
LOP B is established	459,836	65.8 %
LOP C is established	373,905	53.5 %
No ITSC established by LOP:		
A	74,111	15.2 % of LOP A
B	41,195	9.0 % of LOP B
C	42,874	11.4 % of LOP C
ITSC A (heated warehouse space) by LOP:		
A	158,505	32.4 % of LOP A
B	252,134	54.8 % of LOP B
C	34,041	9.1 % of LOP C
ITSC B (unheated warehouse space) by LOP:		
A	232,901	47.7 % of LOP A
B	141,445	30.8 % of LOP B
C	80,736	21.6 % of LOP C
ITSC C (controlled humidity) by LOP:		
A	2,162	0.4 % of LOP A
B	6,940	1.5 % of LOP B
C	186,773	50.0 % of LOP C

Appendix B (Continued)

	<u>Number</u>	<u>Percent of Total</u>
ITSC Q (hazardous storage) by LOP:		
A	144	0.0 % of LOP A
B	95	0.0 % of LOP B
C	19	0.0 % of LOP C
ITSC Z (no mandatory requirement) by LOP:		
A	11,753	2.4 % of LOP A
B	15,124	3.3 % of LOP B
C	28,344	7.6 % of LOP C
ITSCs E, F, and Y (chill, freeze, and ammunition) by LOP:		
A	6,290	1.3 % of LOP A
B	691	0.1 % of LOP B
C	154	0.0 % of LOP C
ITSCs G and U (shed and open) by LOP:		
A	2,888	0.6 % of LOP A
B	2,212	0.5 % of LOP B
C	964	0.3 % of LOP C

Note. Total Army-used NSNs interpolated from the AMDF monthly totals for 1 Aug and 1 Oct 1987.

Appendix C

Type Space Codes (TSCs)

<u>Code</u>	<u>Definition</u>
A	Heated warehouse space (general purpose)
B	Unheated warehouse space (general purpose)
C	Controlled humidity warehouse space
D	Flammable warehouse space
E	Chill/freeze warehouse space
F	Any other warehouse space
G	Shed (nonwarehouse space)
M	Wet storage space
Q	Hazardous commodity space (nonclass V items (e.g., acids, compressed gases, radioactive materiel, etc.))
R	Automatic storage retrieval system
T	Controlled humidity (nonwarehouse space)
U	Other nonwarehouse space
0	Open, concrete, improved space
2	Open, blacktop, improved space
4	Open, crushed stone, improved space
6	Open, gravel, improved space
8	Open, unimproved space
9	Preservation and packaging or maintenance space

Appendix D

ITSC and TSC Matrix

<u>Definition</u>	<u>ITSC</u>	<u>TSC must --</u>
Heated warehouse space	A	Equal A, R, 9
Unheated warehouse space	B	Equal B, F, R, 9
Controlled humidity warehouse space	C	Equal C, 9, T
Chill warehouse space	E	Equal E, 9
Freeze warehouse space	F	Equal E, 9
Shed nonwarehouse space	G	Equal G, 9, U
Hazardous commodity space	Q	Equal Q, D, 9
Open space	U	Equal Ø, 2, 4, 6, 8, 9
No mandatory codes apply	Z	Equal B, F, G, M, Q, R, T, U, 2, 4, 6, 8, 9

Appendix E

Required Storage and Type Space Incompatibility Listing

POBYMANNA AD

REQUIRED STORAGE AND TYPE SPACE INCOMPATIBILITY LIST

RIN 4530XXR1242

LOCATION	STOCK NUMBER	COND	ITS	ISC
08152618C	662503432535	A	A	C70
08152618D	6625010788479	F	A	C70
08152619A	5915010647153	A	A	C70
08152619B	662503X801183	A	A	C70
08152619C	666863000007	A	A	C70
08152619D	5805004884610	A	A	C70
08152619E	59090078005318	A	A	C70
08152619F	7025010653011	A	A	C70
08152619G	5905010202836	A	A	C70
08152620B	6625011550231	A	A	C70
08152620C	5920011262404	A	A	C70
08152621A	5935000450832	A	A	C70
08152621B	6625010388474	A	A	C70
08152621C	5905010649920	A	A	C70
08152621D	6625001103547	A	A	C70
08152621E	5920011276742	A	A	C70
08152621F	0968705049LES	A	A	C70
08152622A	61177110	A	A	C70
08152622B	6625010776706	A	A	C70
08152622C	5935014884610	A	A	C70
08152622D	6120011778034	A	A	C70
08152622E	6645009201200	F	A	C70
08152622F	5920011023071	A	A	C70
08152623A	666003596818	A	A	C70
08152623B	6625014319339	D	A	C70
08152623C	6625009718312	A	A	C70
08152623D	6815010472659	A	A	C70
08152623E	5915010674685	A	A	C70
08152623F	5955019649000	A	A	C70
08152624A	66250106700	A	C	C70
08152624B	5905010703074	A	A	C70
08152624C	6615009255937	A	A	C70
08152624D	6603470408105	A	A	C70
08152624E	5920010960914	A	A	C70
08152624F	5905011560440	A	A	C70
08152625A	6643011771400	A	A	C70
08152625B	6625011238099	A	A	C70
08152625C	5905011109475	A	A	C70
08152625D	5905007526030	A	A	C70
08152625E	5915010472767	A	A	C70
08152625F	5920010448966	A	A	C70
08152626A	5905010442145	A	A	C70
08152626B	66063050F000	D	A	C70
08152626C	66030586701	A	A	C70
08152626D	5905010180944	A	A	C70
08152626E	5915010756429	A	A	C70
08152626F	962387X20151275	A	A	C70
08152627A	5905000000135	A	A	C70
08152627B	66063050F000	D	A	C70
08152627C	66060086009	A	A	C70
08152627D	660631A217	D	A	C70

APPENDIX E

New Proposed Required Storage and Type Space Incompatibility Listing (Ranked from Highest to Lowest Priority Changes)

----- Part I Storage Upgrades Needed -----

Priority of Implementation	ITSC(s)	ITC(s)
1	Q	A, B, C, E, F, G, H, T, U, O, 2, 4, 6, 8
2	E, F	A, B, C, D, E, G, Q, R, T, U, O, 2, 4, 6, 8
3	C	O, 2, 4, 6, 8
4	C	G, H
5	A	O, 2, 4, 6, 8
6	B	O, 2, 4, 6, 8
7	D	O, 2, 4, 6, 8
8	A	G, H
9	T	F, F
10	C	G, H
11	C	A, B
12	A	E, F

----- Part II Storage Downgrades Needed -----

Priority of Implementation	ITSC(s)	ITC(s)
13	A, B, C, H	C, T
14	E, G, H	A
15	G, H	B, F, R
16	H	G, H

ITC's which identify hazardous materials storage areas are not included in part II because most hazardous materials have not been assigned a "Q" code. This would cause many erroneous entries to appear on the listing.

No entries will appear for the following ITSC's:

ITSC

- Y Storage space for ammunition items (class V) covered in other regulations
- Z A storage environment identified by one of the above codes is not mandatory (this code will be deleted).
- u (blank) A mandatory storage environment has not yet been established.

Appendix G

Depot Occupancy Levels

SSMR, dated 31 March 1987

Depot	<u>Covered Warehouse Space</u>		<u>Other Nonwarehouse Space</u>	
	<u>Net Square Feet</u>	<u>Percent Occupied</u>	<u>Net Square Feet</u>	<u>Percent Occupied</u>
ANAD	1,531	91	565	83
LEAD	1,316	90	1,233	85
Lexington	894	78	12	-
Blue Grass	692	96	10	-
NCAD	1,263	91	726	96
PUDA	1,775	91	15	80
RRAD	1,122	99	450	98
SAAD	623	90	88	98
SHAD	1,032	91	284	95
TOAD	1,210	88	52	92
TEAD	1,297	100	304	100
CCAD	75	80	81	77
RIA	999	86	-	-

Note. FWDA, NADA, SVDA, SEAD, SIAD, and UMDA are not included because the storage of ammunition is not within the scope of this project.

Appendix G (Continued)

SSMR, dated 31 March 1986

<u>Covered Warehouse Space</u>			<u>Other Nonwarehouse Space</u>	
<u>Depot</u>	<u>Net Square Feet</u>	<u>Percent Occupied</u>	<u>Net Square Feet</u>	<u>Percent Occupied</u>
ANAD	1,541	87	565	89
LEAD	1,316	90	1,233	87
Lexington	896	79	12	17
Blue Grass	692	97	10	-
NCAD	1,242	93	726	90
PUDA	1,780	82	15	80
RRAD	1,117	98	495	99
SAAD	623	86	94	97
SHAD	1,051	92	279	80
TOAD	1,210	90	52	92
TEAD	1,297	77	304	100
CCAD	75	100	81	95
RIA	906	93	-	-

Appendix G (Continued)

SSMR, dated 31 March 1985

<u>Covered Warehouse Space</u>			<u>Other Nonwarehouse Space</u>	
<u>Depot</u>	<u>Net Square Feet</u>	<u>Percent Occupied</u>	<u>Net Square Feet</u>	<u>Percent Occupied</u>
ANAD	1,541	79	566	81
LEAD	1,316	88	1,240	86
Lexington	828	82	12	17
Blue Grass	706	91	-	-
NCAD	1,223	93	726	94
PUDA	1,780	78	15	67
RRAD	1,114	94	525	99
SAAD	719	76	101	93
SHAD	1,005	91	279	97
TOAD	1,138	90	17	100
TEAD	1,404	95	304	99
CCAD	85	88	116	97
RIA	876	96	-	-

Appendix H
Logic for Conversion from LOP Based ITSCs to Unique ITSC

		<u>New ITSC</u>
For each NSN:		
is any ITSC Q?	(Yes) --->	Q
if not, is any ITSC E?	(Yes) --->	E
if not, is any ITSC F?	(Yes) --->	F
if not, is any ITSC Y?	(Yes) --->	Y
if not, are ITSCs the same on all LOPs?		
yes, and the ITSC is Z	(Yes) --->	B
yes, and the ITSC is not Z	(Yes) --->	No change
if not, is the ITSC on the lowest LOP other than C?		
yes, and the ITSC is Z	(Yes) --->	B
yes, and the ITSC is not Z	(Yes) --->	New ITSC is the same as the ITSC on the lowest LOP
if not (lowest LOP has ITSC C), are three LOPs established?		
yes, and ITSC A is on both higher LOPs or ITSC C is on LOP B	(Yes) --->	C
yes, and ITSC G or U is on either LOP A or B	(Yes) --->	B
if not (only two LOPs are established),		
is ITSC A on LOP A or B?	(Yes) --->	C
if not, is ITSC B or Z on LOP A or B?	(Yes) --->	A
	(No) --->	B

Now, overlay all established LOPs with the new ITSC.

On a sample of 79,507 NSNs with ITSCs established since June 1986, this conversion logic changed the percentage of ITSCs as follows:

	<u>Current %</u>	<u>Proposed %</u>
Lowest LOP has ITSC:		
A	21.11%	42.01%
B	12.59%	13.70%
C	63.88%	42.93%
E	0.32%	0.37%
F	0.00%	0.00%
G	0.08%	0.08%
Q	0.00%	0.00%
U	0.01%	0.01%
Y	0.90%	0.90%
Z	1.11%	0.00%

