

I S S U E N O T E S

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INTRODUCTION

1. INTRODUCTION

THIS DOCUMENT DESCRIBES STRATEGIES FOR DETERMINING THE REQUIRED NUMBER OF SPECIFIC SPARE PARTS TO BE STOCKED FOR OPERATION AND MAINTENANCE (O&M) OF SESS SWITCHES. INFORMATION IS PROVIDED FOR DEVELOPING A SPECIFIC SPARE PARTS PLAN FOR A SINGLE SESS SWITCH OF ANY SIZE OR FOR COMBINATIONS OF SESS SWITCHES IN A DEFINITE GEOGRAPHIC AREA TO BE SERVED BY A SPARES POOL. ALL PARAMETERS NECESSARY TO THE APPLICATION OF THESE PROCEDURES ARE DESCRIBED. SPECIFICATIONS AND RECOMMENDATIONS ARE PROVIDED FOR PROPER USE OF THE SPARE INVENTORIES AT SESS SWITCH AND POOL LOCATIONS. THE SPARE PARTS USED IN GENERICS UP TO AD INCLUDING 5E6 ARE ADDRESSED IN THIS DOCUMENT. THIS DRAWING IS PATTERNED AFTER AD DRAWS FREELY FROM THE INTERNATIONAL SESS SWITCH SPARE PARTS REQUIREMENTS (ED-5X214-01) DOCUMENT PREPARED BY R. F. FORD.

2. SPARES REPLACEMENT INTERVAL (SRI) CONSIDERATIONS

THE PERIOD REQUIRED TO ACQUIRE A REPLACEMENT PART INTO A SPARE PARTS INVENTORY AT THE LOCATION UNDER CONSIDERATION IS THE PART'S "SPARES REPLACEMENT INTERVAL" (SRI). FOR A NEW REPLACEMENT, THIS INTERVAL IS AFFECTED BY VARIABLE FACTORS INCLUDING ORDER PLACEMENT TIME, AVAILABILITY TIME, TRANSPORTATION TIME, AND ANY OTHER CONTINGENCY TIME AFFECTING DELIVERY TO THE SITE WHERE THE REPLACEMENT IS REQUIRED. IF THE REPLACEMENT IS TO BE PROVIDED BY THE REPAIR SERVICE AND RETURN (RS&R) OF THE REPLACED PART, THE SRI WOULD BE AFFECTED BY THE TIME TO RETURN A PART TO THE POINT OF REPAIR AND THE TIME TO REPAIR THE PART, IN ADDITION TO ALL TIME FACTORS INVOLVED FOR A NEW REPLACEMENT PART. SPARES EXCHANGE SERVICE (SES) REQUIRES ONLY THE ORDER PLACEMENT WITH A DESIGNATED DELIVERY TIME (IE. 24 HOURS, 7 DAYS, 14 DAYS ETC.). THEREFORE, AN SRI FOR NEW PARTS WILL BE SHORTER THAN THAT FOR RS&R PARTS. THE SMALLER NUMBER OF SPARES TO BE STOCKED RESULTING FROM NEW REPLACEMENTS COMPARED TO RS&R PARTS MAY BE OUTWEIGHED BY THE COST OF NEW PARTS. EVALUATION OF EACH OF THESE ALTERNATIVES FOR SPECIFIC SITUATIONS IS RECOMMENDED TO ACHIEVE THE MOST ECONOMIC SPARING ARRANGEMENT. ANY SWITCH LOCATION OR POOL INVOLVED DIRECTLY WITH THE RS&R PROCESS, WILL HAVE MULTIPLE SRIS, THAT FOR NEW "NON-REPAIRABLE" REPLACEMENTS, AND THAT FOR RS&R PARTS. THE COST OF THE TOTAL SPARES INVENTORY IS DIRECTLY PROPORTIONAL TO THE SRIS. IT IS, THEREFORE, IMPORTANT THAT EVERY ADMINISTRATIVE EFFORT BE MADE TO MINIMIZE ALL SRIS.

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3. CRITERIA FOR DESIGNATION OF 'CRITICAL' SPARE PARTS

THE SPARE PARTS DESCRIPTION CHART WORKSHEETS (SEE APPENDIX 1) INDICATE "C" OR "N" TO DESIGNATE EACH REPLACEABLE SPARE PART CODE AS "CRITICAL" OR "NON-CRITICAL" TO THE SERVICEABLENESS OF THE TOTAL 5ESS SWITCH. IF THE FAILURE OF AN ACTIVE PART OF THAT CODE IN THE SWITCH CAUSES HARMFUL EFFECTS ON A SIGNIFICANT QUANTITY OF LINES OR TRUNKS, THAT CODE IS DESIGNATED AS "CRITICAL" AND SPECIAL CONSIDERATION MUST BE GIVEN IN DETERMINING THE REQUIRED NUMBER OF SPARE REPLACEMENT PARTS. IF THE FAILURE OF AN ACTIVE PART OF THAT CODE IN THE SWITCH AFFECTS ONLY A RELATIVELY FEW LINES OR TRUNKS, A MINOR ALARM FUNCTION, A DEFERRABLE TEST FEATURE, OR A MINOR MAINTENANCE FEATURE, THAT CODE IS DESIGNATED IN THE CHARTS AS "NON-CRITICAL" AND CAN BE SPARED WITH LESS STRINGENT CONSTRAINTS.

4. MINIMUM O&M SPARING LEVELS

IN GENERAL, A MINIMUM SPARING LEVEL OF ONE SPARE PART FOR EACH ACTIVE CODE SHALL BE MAINTAINED WITHIN TWO HOURS TRANSIT TIME FOR ALL PARTS DESIGNATED AS "C" (CRITICAL) ON THE SPARE PARTS DESCRIPTION CHART WORKSHEETS (APPENDIX 1). ALSO, IN GENERAL, A MINIMUM OF ONE SPARE PART FOR EACH ACTIVE CODE DESIGNATED AS "N" (NON-CRITICAL) ON THE DESCRIPTION CHART WORKSHEETS SHALL BE MAINTAINED WITHIN A "SPARES REPLACEMENT INTERVAL" OF AT MOST SEVEN DAYS FOR THE LOCATION OF THE ACTIVE PART. TABLE A, SHOWN BELOW, PROVIDES A MINIMUM NUMBER OF SPARES REQUIRED DEPENDENT ON THE SITUATION AT THE LOCATION OF THE SPARES INVENTORY. THE "SPARES REQUIREMENTS TABLES" FOR CENTRAL OFFICE AND CENTRAL STOCK PROVIDE SPARING LEVELS FOR EACH PART CATEGORY AS ASSIGNED ON THE SPARE PARTS DESCRIPTION CHART WORKSHEET IN APPENDIX 1. CASES A-D OF TABLE A ALLOW DIFFERENT MINIMUM LEVELS FOR "CRITICAL" AND "NON-CRITICAL" DESIGNATED CODES AT VARIOUS TYPES OF LOCATIONS.

5. 5ESS SWITCH SES-5 AND INTERCHANGEABILITY GUIDE CATALOG

THE 5ESS SWITCH SPARES EXCHANGE SERVICE AND INTERCHANGEABILITY GUIDE (SES-5) CATALOG, ED4C168-14, IS PUBLISHED MONTHLY AND CONTAINS ADDITIONS AND CHANGES TO PLUG-IN PRODUCTS USED IN THE 5ESS SWITCH. THIS DOCUMENT ALSO CONTAINS "WHERE USED" INFORMATION,

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EXCEPTIONS TO NORMAL USAGE/REPLACEMENT/SUBSTITUTION OF CIRCUIT
PACKS, CLEI AND COMCODES, CARRIER PACKS AND THEIR ASSOCIATED
MICROCODES. IT IS PLANNED TO INCLUDE SERIES/ISSUE DATA, GENERIC
PROGRAM DATA, DISCONTINUED AVAILABILITY DATA, AND PERIPHERAL
PRODUCTS.

TABLE A

LOCATION SITUATION CASE	MINIMUM CRITICAL	MINIMUM NON-CRITICAL	SPARES TABLE
(A) OFFICE (SRI=1) WITH POOLING	1*	0*	CO
(B) SINGLE OFFICE WITH SRI > 1 OR WITH NO POOLING	2	1**	CO
(C) ON-SITE POOL	2	2	CO
(D) OFF-SITE POOL	2	2	CS

* APPLICATION OF THE CO "SPARE REQUIREMENT TABLE" FOR SRI OF 1 DAY
FOR SEVERE SERVICE NEEDS, IS AN OPTIONAL ALTERNATIVE TO THESE
MINIMUMS.

** USE OF THIS MINIMUM WHERE SRI>7 COULD RESULT IN NON-AVAILABILITY
OF A NON-CRITICAL FEATURE UNTIL A REPLACEMENT IS OBTAINED.

6. 5ESS SWITCH PARTS CATEGORY ASSIGNMENTS

EACH REPLACEABLE PART OF THE 5ESS SWITCH HAS BEEN ASSIGNED TO A
CATEGORY A-AP AS SHOWN ON THE DESCRIPTION CHART WORKSHEETS.
CATEGORY A IS PROVIDED FOR ADMINISTRATIVE MODULE PERIPHERAL UNITS
AND REPLACEABLE AIR FILTERS. THE MEDIAN EXPECTED MATURE REPLACEMENT
RATES FOR EACH CATEGORY B-AP AT THE VARIOUS "SPARE REPLACEMENT
INTERVALS" WERE USED WITH AN ERLANG-C QUEUEING MODEL TO CALCULATE
THE "SPARES REQUIREMENTS TABLES" IN APPENDIX 1. EACH SPARE PART IN
THE SPARES INVENTORY IS ASSUMED IN THE CALCULATIONS TO HAVE A 97
PERCENT PROBABILITY OF BEING IN SERVICEABLE CONDITION. CIRCUIT
PACKS WITH A HIGHER "ALPHA" SUFFIX SHOULD BE CONSIDERED THE
EQUIVALENT AND MAY BE USED IN PLACE OF THE PACK WITH A LOWER OR NO
SUFFIX, E.G. UN9B CAN BE USED FOR UN9, AND TN875C CAN BE USED FOR
TN875 AND TN875B. ANY EXCEPTION TO THIS RULE IS LISTED IN 5ESS
SWITCH SPARES EXCHANGE SERVICE AND INTERCHANGEABILITY GUIDE CATALOG

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7. DEFAULTS FOR UNASSIGNED PARTS

NEW CODES OF PARTS MAY ENTER THE SESS SWITCH SYSTEM THAT ARE NOT YET ASSIGNED TO A CATEGORY IN THIS CURRENT ISSUE OF THE DESCRIPTION CHART WORKSHEET. THE SPARES QUANTITIES FOR THESE CODES, OTHER THAN ADMINISTRATIVE MODULE (AM) PERIPHERAL UNITS, MAY BE DETERMINED, MEANWHILE, FROM THE "SPARES REQUIREMENTS TABLES" USING "CATEGORY F". AM PERIPHERAL UNITS OR AIR FILTERS NOT SPECIFICALLY ASSIGNED, SHALL BE SPARED AS OTHER UNITS OR AIR FILTERS IN "CATEGORY A."

8. MICROCODE CARRIER PACK CONSIDERATIONS

THE CIRCUIT PACK CODES ARE SHOWN ON THE DESCRIPTION CHART WORKSHEETS WITHOUT REFERENCE TO MICROCODE APPLICATIONS. SPARING REQUIREMENTS TABLES ARE DETERMINED FROM REPLACEMENT RATES OF THE "CARRIER PACK" INDEPENDENT OF ANY MICROCODE USED WITH THE PACK. THE ACTIVE PART COUNT OF CIRCUIT PACKS WITH A MICROCODE MUST GROUP THOSE WITH THE SAME MICROCODE IDENTIFICATION TOGETHER. A CARRIER PACK WITH MULTIPLE MICROCODES USED IN THE SAME SESS SWITCH IS THE TN84, WHICH HAS FOUR. EACH OF THESE FOUR TYPES OF TN84 MUST BE TREATED AS A GROUP. THE DESCRIPTION CHART WORKSHEETS HAVE FOUR ENTRIES FOR THE TN84 FOR THIS PURPOSE. (AS USED WITH THE 3B20D-2, THE TN68 HAS TWO MICROCODE APPLICATIONS AND SO HAS TWO ENTRIES ON THE WORKSHEET.) COMMON LANGUAGE EQUIPMENT IDENTIFICATION (CLEI) CODES CAN BE USED TO DETERMINE THE MICROCODE GROUPS.

9. REPAIR SERVICE AND RETURN (RS&R) CONSIDERATIONS

THE DESIGNED DIAGNOSTIC CAPABILITY GOAL OF THE SESS SWITCH IS THE REPLACEMENT OF ONE FAULTY PART IN THE SWITCH WITH ONE SERVICEABLE SPARE PART. MAINTENANCE EFFORTS MUST BE ALIGNED TO ACHIEVE THIS GOAL. EACH SPARE PART PLACED INTO THE SWITCH MUST BE CONFIRMED AS, IN FACT, HAVING RESOLVED THE HARDWARE FAULT DIAGNOSED. WHEN THE SPARE PART DOES NOT RESOLVE THE PROBLEM, THE FAULT CAN EXIST ELSEWHERE, AND IT SHOULD FIRST BE ASSUMED TO BE THE NEXT PART IN THE "TLP" LIST. ALL PARTS REPLACED THAT DID NOT RESOLVE THE INDICATED HARDWARE FAULT MUST BE RETURNED TO THE SPARES INVENTORY UNTIL CONFIRMED AS FAULTY. THE SYSTEMATIC APPLICATION OF THE

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RECOMMENDED HARDWARE MAINTENANCE PROCEDURES WILL RESULT IN REPLACEMENT OF A MINIMUM NUMBER OF PARTS PER HARDWARE FAULT INDICATION AND MINIMIZATION OF REPAIR SERVICE AND RETURN (RS&R) COSTS. SOME LOWER COST PARTS MUST BE CONSIDERED AS "NON-REPAIRABLE" AS THE COST OF RS&R WILL EXCEED THE COST OF A NEW PART. THOSE PARTS KNOWN TO BE "NON-REPAIRABLE" FOR VARIOUS REASONS, ARE DESIGNATED WITH "D," FOR "DISCARD," IN THE "CRIT" COLUMN OF THE SPARE PARTS DESCRIPTION WORKSHEETS. MONITORING THIS ASPECT OF EACH RS&R PART IS ESSENTIAL TO EFFICIENT SPARING. PROMPT DISPATCH OF A FAULTY PART TO THE RS&R PROCESS WILL MINIMIZE THE SRI. POOLING CAN REDUCE THE EFFECTS OF LONGER RS&R SRIS BY ALLOWING SERVED SWITCHES TO EXCHANGE REPLACED PARTS WITH THE POOL. THE POOL CAN BE USED TO PROCESS THE FAULTY PARTS TO THE REPAIR LOCATION, AND BECAUSE IT HAS A LARGER ACTIVE SERVED POPULATION, IS NOT AS SEVERELY EFFECTED BY THE RS&R SRI.

10. 5ESS SWITCH SPARES EXCHANGE SERVICE (SES-5)

THE SPARES EXCHANGE SERVICE FOR 5ESS SWITCHING EQUIPMENT (SES-5) IS AN OFFERING TO DOMESTIC CUSTOMERS OWNING A 5ESS SWITCH WHICH PROVIDES SPARE EQUIPMENT REPLACEMENTS ON AN EXPEDITED BASIS BY FEATURING CENTRALIZED ORDERING, 24 HOURS PER DAY/7 DAYS A WEEK TELEPHONE ORDER ENTRY, AND SHORTENED DELIVERY INTERVALS. THE SERVICE PROVIDES ALL SPARE MATERIAL NORMALLY REQUIRED TO SUPPORT A 5ESS SWITCH, INCLUDED THE EMBEDDED AT&T 3B20D COMPUTER. THE DELIVERY INTERVALS FALL INTO ONE OF TWO CATEGORIES. THESE ARE:

1. EMERGENCY SES-5 SERVICE - 24 HOURS TO 6 DAYS AS SPECIFIED BY THE CUSTOMER.
2. NORMAL SES-5 SERVICE - 7 DAYS OR LONGER AS SPECIFIED BY THE CUSTOMER.

11. REMOTE UNIT (RSM, ORM, RISLU) SPARES

IF THE TRANSIT TIME FROM THE HOST 5ESS SWITCH TO A REMOTE SWITCHING MODULE (RSM), OPTICALLY REMOTED MODULE (ORM), AND/OR REMOTE INTEGRATED SERVICES LINE UNIT (RISLU) IS TWO HOURS OR LESS, THE SPARES FOR THESE UNITS CAN BE LOCATED AT THE HOST LOCATION. THIS SITUATION WOULD REQUIRE THAT THE NUMBER OF REMOTE UNIT ACTIVE PARTS BE ADDED TO THE ACTIVE NUMBER OF THE SAME CODES IN THE HOST TO DETERMINE THE POPULATION FOR USE IN SELECTING THE NUMBER OF SPARES AT THE HOST. WHEN THE TRANSIT TIME FROM THE HOST TO THE REMOTE UNIT IS MORE THAN TWO HOURS, AN INVENTORY OF SPARES SHALL BE DETERMINED AS IF THE REMOTE UNIT LOCATION WERE AN INDEPENDENT SWITCH (CASE A

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OR B OF TABLE A IN SECTION 4).

12. POOLED SPARES DETERMINATIONS

THE NUMBER OF SPARE PARTS IN A SPARES POOL IS DETERMINED IN A WAY SIMILAR TO A SINGLE CENTRAL OFFICE EXCEPT THAT THE ACTIVE PART POPULATION USED IN THE DETERMINATION IS THE SUM OF THE ACTIVE PART POPULATIONS IN THE CLUSTER OF SWITCHES AND RSM(S) SERVED BY THE POOL. ALSO, THE O&M POOL SPARES QUANTITIES DETERMINED FROM THE PROPER "SPARE REQUIREMENT TABLES" ARE REDUCED BY THE SUM OF THE O&M SPARES QUANTITIES AT THE SUPPORTED LOCATIONS WITHIN THE MINIMUM CONSTRAINTS OF TABLE A. THE POOL IS DESIGNATED AS "ON-SITE" (CASE C OF TABLE A) WHEN IT IS COLLOCATED WITH A SWITCH THAT THEN DOES NOT REQUIRE A SEPARATE SPARE INVENTORY, OR "OFF-SITE" (CASE D OF TABLE A) WHEN NOT COLLOCATED WITH A SWITCH. THE TERM "COLLOCATED" AS USED HERE, MEANS TWO OR MORE FACILITIES (POOL, SWITCHES, OR RSM) THAT ARE LOCATED WITHIN TWO HOURS TRANSIT TIME OF EACH OTHER. FAULTY PARTS OF THE SERVED SWITCHES SHOULD BE EXCHANGED WITH THE POOL TO ALLOW THE SHORTER "NEW" SRI TO BE USED IN DETERMINING SPARES FOR THE SWITCHES.

13. LIFE CYCLE OF SPARE PARTS STOCK

THE SPARES REQUIREMENTS TABLES HAVE BEEN DETERMINED USING A "HORIZON" OF ONE YEAR. THE HORIZON IS USED TO LIMIT THE INTERVAL FOR CONSIDERATION OF REPLACEMENTS IN CALCULATING THE NUMBER OF SPARES TO BE STOCKED. REPAIR AND NEW REPLENISHMENT PROCESSES WILL SERVE TO MAINTAIN THE STOCK AT THE SAME LEVEL THROUGHOUT ONE YEAR. THE STOCK WILL BE AT THE SAME LEVEL AT THE START OF A SECOND YEAR, AS IT WAS AT THE START OF THE FIRST YEAR. THUS, THE SIZE OF A TWO OR THREE YEAR STOCK WILL BE THE SAME SIZE AS A ONE YEAR STOCK.

14. O&M SPARES REQUIREMENTS TABLES DESCRIPTION

THE SPARES REQUIREMENTS TABLES ARE PROVIDED FOR EACH OF FIVE SPARES REPLACEMENT INTERVALS FOR BOTH ON-SITE (CENTRAL OFFICE) AND OFF-SITE (CENTRAL STOCK) SOURCES OF SPARES. THE LEFT HAND COLUMN OF

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EACH TABLE CONTAINS A "CATEGORY" B TO AP TO WHICH EACH REPLACEABLE PART IS ASSIGNED ON THE SPARE PARTS DESCRIPTION CHART WORKSHEETS (APPENDIX 1). EACH OTHER COLUMN OF THE TABLE IS HEADED WITH A NUMBER OF "SPARES REQUIRED." THE BODY OF THE TABLE CONTAINS NUMBERS THAT ARE THE MAXIMUM TOTAL OF ACTIVE PARTS THAT COULD BE SERVED BY THAT NUMBER OF SPARES AT THE TOP OF THE COLUMNS. THE CENTRAL OFFICE TABLES HAVE BEEN LIMITED TO A MAXIMUM OF 6000 ACTIVE PARTS FOR EACH CATEGORY. IT IS TO BE RECOGNIZED THAT THE EMPTY CELLS IN THE TABLE CAN INDEED SUPPORT 6000 ACTIVE PARTS. IN MANY CASES, THE NUMBER OF ACTIVE PARTS MAY WELL EXCEED 6000. IT CANNOT BE KNOWN BY HOW MUCH EXCEPT BY RUNNING THE QUEUEING MODEL PROGRAM WITH THE LARGER NUMBER OF ACTIVE PARTS. THE CENTRAL STOCK TABLES ARE LIMITED TO A MAXIMUM OF 10000 ACTIVE PARTS SERVED BY THE CENTRAL STOCK AND ALSO SHOW THE MINIMUM OF TWO SPARE PARTS.

15. ADMINISTRATIVE MODULE (AM) PERIPHERAL UNITS SPARES

THE PERIPHERAL UNITS OF THE ADMINISTRATIVE MODULE (3B20D) SHALL BE TREATED AS REPLACEABLE PLUG-IN PARTS. THE VARIOUS TERMINALS, PRINTERS, DISK DRIVES, AND TAPE DRIVES ARE TO BE SPARED SUCH THAT ANY FAULTY UNIT CAN BE REPLACED WITH A SERVICEABLE UNIT. THE FAULTY UNIT CAN THEN BE REPAIRED OFF-LINE, EITHER ON-SITE OR OFF-SITE BY SKILLED PERSONNEL. THE DESCRIPTION CHART WORKSHEETS SHOW THESE PERIPHERAL UNITS IN A SPECIAL "CATEGORY A" AND SHOW THE MINIMUM QUANTITY OF REPLACEMENT UNITS TO BE STOCKED AT A SWITCH SITE. THE MINIMUM QUANTITY OF ONE UNIT PER TYPE FOR EACH SUPPORTED SWITCH SHALL BE MAINTAINED AT A POOL. TRAINED PERSONNEL TO AFFECT OFF-LINE REPAIR OF THE UNITS ARE ESSENTIAL TO ECONOMICAL SPARING EFFORTS. THE REPLACEABLE PARTS OF VARIOUS UNITS ARE PROVIDED IN "KIT" FORM, FOR REPAIR OPERATIONS AT A "WORK CENTER," SUCH AS A SWITCH OR POOL LOCATION, ON THE DOCUMENTS SHOWN BELOW.

DOCUMENT	PERIPHERAL UNITS
ED-4C477-30	KS-22875 340MB DISK DRIVES
ED-4C444-30	KS-22762 AND KS-23113 TAPE DRIVES

THESE DOCUMENTS GIVE INFORMATION FOR THE APPLICATION OF THE KITS FOR SPECIFIC SITUATIONS.

16. AIR FILTER REPLACEMENT PARTS

SESS SWITCHES ARE EQUIPPED WITH SEVERAL DIFFERENT TYPES OF COOLING FANS THAT REQUIRE AIR FILTER REPLACEMENTS EVERY SIX MONTHS. TWO

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FILTERS OF EACH TYPE USED IN A SWITCH SHOULD BE KEPT IN THE SPARES INVENTORY AND ARE INCLUDED ON THE DESCRIPTION CHART WORKSHEETS. THE INSTALLER WILL PROVIDE INFORMATION ON THE STATUS OF THE FILTERS AT TURN-OVER. THE FILTERS REQUIRED FOR ROUTINE REPLACEMENT SHOULD BE ORDERED ON A SCHEDULE FOR EACH CYCLE OF ROUTINE MAINTENANCE. ORDERING INFORMATION IS PROVIDED IN THE FOLLOWING CHART:

ORDERING NUMBER	CODE	TYPE OF FRAMES USED IN
402853576	45PPI	AM (3B20D)
403282296		AM
403282338		AM
403977234	UAF233	CM, SM, RSM
405105115	UAF235	ISLU, RISLU
402201073	SIF/T-2	MICROLEVEL TEST SET

17. FIBER OPTIC DATA LINK CABLE SPARES

THE LB1L-L AND LB2L-L (ED-5D500-11 G1-5) FIBER OPTIC CABLES SHALL BE PROVIDED AS ONE SPARE ON-SITE OF THE MAXIMUM LENGTH OF THE TYPE USED IN THE SWITCH. INSTALLATION JOB SPECIFICATION 307 SHOWS THE EQUIPPED CABLE LENGTHS. A POOL SHALL HAVE A MINIMUM OF TWO SPARES FOR EACH TYPE OF THE MAXIMUM LENGTH REQUIRED BY ANY OF THE SWITCHES THAT ARE SUPPORTED BY THE POOL.

18. FUSE AND PROTECTOR SPARES

AN INITIAL QUANTITY OF SPARE FUSES AND GAS TUBE PROTECTORS ARE SUPPLIED WITH EACH INSTALLED SWITCH. IT IS RECOMMENDED THAT THIS STOCK BE MAINTAINED ON-SITE AT A LEVEL OF 5% FOR EACH ACTIVE CODE POPULATION. NO FUSE OR PROTECTOR SPARES SHOULD BE MAINTAINED AT A "CS" POOL LOCATION.

19. O&M SPARES REQUIREMENTS DETERMINATION PROCEDURE

A. FOR SITE (SRI = 1) SUPPORTED BY A POOL:

1. DETERMINE ACTIVE CODES AND MICROCODES TO BE SPARED AND MARK ON WORKSHEETS (APPENDIX 1).
2. USING "NON-CRITICAL MINIMUM OF ZERO," ENTER "0" FOR "NON-CRITICAL" ACTIVE CODES IN "SPARES" COLUMN OF THE WORKSHEETS.

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3. USING "CRITICAL MINIMUM OF ONE," ENTER "1" FOR ACTIVE "CRITICAL" CODES IN "SPARES" COLUMN OF THE WORKSHEET.
 4. THIS LIST IS THE SPARES REQUIREMENTS.
- B. FOR SINGLE SITE WITH SRI > 1 OR NO POOLING, OR FOR A POOL:
1. DETERMINE TOTAL POPULATION OF ACTIVE PARTS FOR EACH CODE OR MICROCODE GROUP AND ENTER IN "ACTIVE" COLUMN OF THE WORKSHEETS (APPENDIX 1).
 2. DETERMINE "SRI" FOR EACH ACTIVE CODE.
 3. (POOL ONLY) DETERMINE FROM TABLE A WHETHER "CO" OR "CS" TABLE IS TO BE USED.
 4. LOCATE "SPARES REQUIREMENTS TABLE" FOR PROPER "SRI" AND CENTRAL OFFICE OR CENTRAL STOCK IN APPENDIX 1.
 5. DETERMINE "CATEGORY" FOR THE FIRST ACTIVE CODE ON THE WORKSHEETS.
 6. FIND PROPER "CAT" ROW FOR FIRST CODE IN THE PROPER "SPARES REQUIREMENTS TABLE." LOCATE ON THAT ROW THE FIRST COLUMN WITH A NUMBER EQUAL TO OR GREATER THAN THE "ACTIVE" NUMBER OF THE FIRST CODE.
 7. DETERMINE THE NUMBER OF SPARES REQUIRED AT THE TOP OF THAT COLUMN AND ENTER IT IN THE "SPARES" COLUMN FOR THE FIRST ACTIVE CODE ON THE WORKSHEET.
 8. REPEAT STEPS 5-7 FOR EACH OTHER ACTIVE CODE AND MICROCODE GROUP ON THE WORKSHEETS.
 9. WHEN SPARES ARE TO BE DETERMINED AS "MINIMUM OF TWO," ALTER ANY "CAT B-AP" CODE QUANTITY "0" OR "1" IN "SPARES" COLUMN OF THE WORKSHEETS TO "2".
 10. (POOL ONLY) ALTER "SPARES" QUANTITY FOR "CAT A" CODES TO 1 UNIT PER SUPPORTED SWITCH.
 11. THIS LIST IS THE SPARES REQUIREMENTS.
20. AN EXAMPLE OF SPARES DETERMINATION

THE PARAMETERS USED IN THE FOLLOWING EXAMPLES (IN THIS SECTION AND

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THE FOLLOWING SECTION) ARE CHOSEN FOR ILLUSTRATIVE PURPOSES ONLY AND DO NOT NECESSARILY REPRESENT A TYPICAL OR ACTUAL CASE. THE METHOD TO DETERMINE THE NUMBER OF SPARES REQUIRED FOR EACH PART IS DEMONSTRATED.

ASSUME THAT A SMALL GEOGRAPHICAL AREA HAS FOUR IDENTICAL 5ESS SWITCHES (1-4) THAT EACH HAVE TWO REMOTE SWITCHING MODULES (A,B). EACH RSM IS WITHIN TWO HOURS TRANSIT TIME OF ITS HOST SWITCH EXCEPT RSM 1A THAT IS SIX HOURS DISTANT. EACH SWITCH IS WITHIN 24 HOURS TRANSIT TIME OF THE OTHERS EXCEPT SWITCH 4 THAT IS TWO DAYS DISTANT FROM THE GROUP. A "SPARES REPLACEMENT INTERVAL" OF 28 DAYS IS DETERMINED FOR REPAIR AND RETURN OF PARTS FROM A DISTANT REPAIR CENTER TO THE MOST CENTRAL OF THE GROUP (SWITCH 1).

THE EFFECT OF A SPARES POOL FOR THIS COMMUNITY OF SWITCHING ENTITIES ON THE NUMBER OF SPARES REQUIRED IS GIVEN IN THE FOLLOWING. ASSUME THAT IT IS DECIDED TO ESTABLISH A POOL AT THE SITE OF SWITCH 1 TO SUPPORT ALL FACILITIES IN THE AREA. EACH OF THE RSMS CAN BE SUPPORTED FROM ITS HOST SWITCH (BECAUSE OF THE TWO HOUR SRI) EXCEPT RSM 1A WHOSE SRI IS ONE DAY AND THEREFORE TREATED AS AN INDEPENDENT SWITCH SUPPORTED BY THE POOL. LIKE RSM 1A, SWITCHES 2 AND 3 ARE WRITTEN AS SRI OF 1 DAY OF THE POOL. THESE 3 SITES FIT THE REQUIREMENTS FOR CASE A OF TABLE A IN SECTION 4 WHICH SPECIFIES THAT A MINIMUM OF ONE "CRITICAL" SPARE IS REQUIRED AT EACH SITE. HOWEVER, IF THE NUMBER OF SPARES REQUIRED AS DETERMINED FROM THE TABLE IN APPENDIX 1 EXCEEDS THIS MINIMUM, THEN THE LARGER NUMBER APPLIES.

SWITCH 4 HAS AN SRI OF MORE THAN 1 DAY MAKING IT A CANDIDATE TO BE TREATED AS CASE B OF TABLE A WHICH SPECIFIES TWO SPARES. AS ABOVE, IF THE TABLE IN APPENDIX 1 INDICATES MORE THAN THIS MINIMUM THEN THE NUMBER OF SPARES INDICATED IN APPENDIX 1 SHALL APPLY.

SWITCH 1 IS A CANDIDATE TO BE TREATED AS CASE C OF TABLE A WHICH SPECIFIES TWO SPARES. AGAIN, REFERENCE TO THE TABLE IN APPENDIX 1 IS NEEDED TO DETERMINE WHICH YIELDS THE LARGER, AND APPLICABLE, NUMBER OF SPARES.

THE FOLLOWING CHART SHOWS THE ACTIVE NUMBER OF TN838 AND TN934 CIRCUIT PACKS, KNOWN AS "REPAIRABLE," ASSUMED AT EACH SITE AND THE ASSOCIATED SRIS. THE TN838 PACK IS FOUND TO BE IN "CATEGORY S" AND DESIGNATED "C" AS A CRITICAL PART IN THE DESCRIPTION CHART WORKSHEETS. THE TN934 PACK IS SHOWN ON THE WORKSHEETS AS "CATEGORY D" AND DESIGNATED "N" AS NON-CRITICAL. TABLE A IN SECTION 4 AND THE "CO" TABLES IN APPENDIX 1 ARE USED TO DETERMINE SPARES QUANTITIES FOR EACH LOCATION. THE SPARING ENTRIES FOR THE TN838 WITHOUT POOLING ARE FIRST DISCUSSED FOLLOWED BY THE ENTRIES WITH

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POOLING. ALL RSMS EXCEPT RSM 1A HAVE ZERO ENTRIES SINCE THEY ARE CONSIDERED AS PART OF THEIR RESPECTIVE HOSTS BY VIRTUE OF THE TWO HOUR SRI. AS STATED ABOVE, RSM 1A IS AN INDEPENDENT SITE HAVING 64 WORKING PACKS. APPLYING AN SRI OF 28 DAYS YIELDS FOUR SPARES REQUIRED. THIS IS GREATER THAN THE TWO SPARES SPECIFIED UNDER CASE B OF TABLE A AND MUST THEREFORE BE USED. AN SRI OF 28 DAYS IS USED FOR SWITCHES 1-4 WITH ACTIVE PACKS ON SWITCH 1 OF 1024 (PACKS IN SWITCH 1 PLUS RSM 1B) AND 1088 ACTIVE PACKS FOR SWITCHES 2-4 (INCLUDING THEIR RESPECTIVE RSMS). THE NUMBER OF SPARES FOR EACH OF THE SWITCHES IS DETERMINED FROM THE CENTRAL OFFICE TABLE TO BE 18. THE TOTAL NUMBER OF SPARES FOR THE TN838 WITHOUT POOLING IS 76.

TURNING NOW TO THE CASE WITH POOLING, THE RSMS WITH ZERO ENTRIES IN THE NON-POOLING CASE CONTINUE TO HAVE ZERO ENTRIES SINCE THEY ARE TREATED AS PART OF THEIR RESPECTIVE HOST SWITCH. AS A RESULT, SWITCHES 2-4 EACH HAVE 1088 WORKING PACKS WITH AN SRI OF ONE DAY FOR SWITCHES 2 AND 3, AND SRI OF SEVEN DAYS FOR SWITCH 4. THE REQUIRED SPARES ARE THREE, THREE, AND EIGHT FOR SWITCHES 2-4, RESPECTIVELY. RSM 1A, HAVING AN SRI OF ONE DAY FALLS INTO CASE D OF TABLE A OR DETERMINED FROM THE APPENDIX 1 TABLE - WHICHEVER GIVES THE LARGER VALUE. IN THIS INSTANCE, BOTH DETERMINATIONS GIVE THE SAME VALUE.

TO ARRIVE AT THE ENTRY FOR SWITCH 1, PROCEED BY DETERMINING THE NUMBER OF SPARES FOR 4352 WORKING PACKS (TOTAL NUMBER OF PACKS FOR ALL SWITCHES AND RSMS) WITH AN SRI OF 28 DAYS. THE SUMMATION OF SPARE PACKS REQUIRING SPECIAL DISTRIBUTION TO THE OTHER SITES MUST BE SUBTRACTED FROM THIS NUMBER TO GIVE THE NUMBER OF SPARES TO RESIDE AT THE SWITCH 1 SITE. COMPARING THE SPARES REQUIRED WITH AND WITHOUT POOLING SHOWS THE SIGNIFICANT SAVINGS IN SPARES ACHIEVED WITH POOLING.

SITE	SRI	TN838 ACTIVE	TN838 SPARES		TN934 ACTIVE	TN934 SPARES	
			W/O POOLING	W/ POOLING		W/O POOLING	W/ POOLING
SW1 (POOL)	28 DAYS	960	18	38	1	1	2
RSM1A	1 DAY	64	4	2	1	1	0
RSM1B	2 HRS	64	0	0	1	0	0
SW2	1 DAY	960	18	3	1	1	0
RSM2A	2 HRS	64	0	0	1	0	0
RSM2B	2 HRS	64	0	0	1	0	0

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

INTRODUCTION		CONTINUED						
SW3	1 DAY	960	18	3	1	1	0	
RSM3A	2 HRS	64	0	0	1	0	0	
RSM3B	2 HRS	64	0	0	1	0	0	
SW4	7 DAYS	960	18	8	1	1	1	
RSM4A	2 HRS	64	0	0	1	0	0	
RSM4B	2 HRS	64	0	0	1	0	0	
TOTAL		4352	76	54	12	5	3	

THE TABLE ENTRIES FOR THE TN934 ARE SIMILARLY DETERMINED AS ABOVE. THE SPARES QUANTITIES FOR THE TN934 WOULD BE 5 WITHOUT THE POOLING COMPARED TO 3 WITH THE POOLING. THIS EXAMPLE SHOWS A VARIETY OF EFFECTIVE WAYS TO REDUCE SPARING COSTS. EACH SESS SWITCH LOCATION SHOULD BE EVALUATED WITHIN THE CONSTRAINTS OF THIS DOCUMENT PERIODICALLY TO MINIMIZE SPARING COSTS.

21. A FURTHER EXAMPLE OF SPARES DETERMINATION

ASSUME THAT A LARGE GEOGRAPHICAL AREA HAS TWO CLUSTERS (X AND Y) OF SESS SWITCHES THAT ARE EACH IDENTICAL TO THE GROUP IN THE EXAMPLE GIVEN ABOVE. ASSUME THAT IT HAS BEEN DECIDED TO ESTABLISH AN OFF-SITE POOL (Z) WITHIN SEVEN DAYS SRI OF THE GROUP POOLS. THE OFF-SITE Z POOL IS DETERMINED TO HAVE AN SRI OF 28 DAYS TO THE DISTANT RS&R CENTER. ALL FACTORS WITHIN THE GROUP CLUSTERS (X AND Y) ARE ASSUMED TO REMAIN AS IN THE ABOVE EXAMPLE EXCEPT THE SRI OF SWITCH 1 IS NOW SEVEN DAYS TO THE OFF-SITE Z POOL. THE SPARES QUANTITIES FOR SWITCH 1 ARE REDETERMINED FOR AN SRI OF SEVEN DAYS. FOR THE 4352 TOTAL ACTIVE TN838 SUPPORTED BY THE POOL, PAGE 12 IS USED TO FIND CAT S WITH 4388 ACTIVE UNDER THE 18 "SPARES REQUIRED" COLUMN. THESE 18 SPARES ARE REDUCED TO TWO BY THE TOTAL 16 SPARES AT THE OTHER SITES WHICH, COINCIDENTALLY, IS THE MINIMUM REQUIRED AT THE POOL AS STATED IN TABLE A. THE TOTAL ACTIVE POPULATION SUPPORTED BY THE Z POOL IS THE SUM OF THE ACTIVE POPULATIONS IN EACH CLUSTER. THE Z POOL IS TREATED AS CASE D OF TABLE A IN SECTION 4 AND REQUIRES THE USE OF THE "CS" TABLES TO DETERMINE SPARES QUANTITIES WITH AN SRI OF 28 DAYS. FOR THE TOTAL 8704 ACTIVE TN838 SUPPORTED BY THE Z POOL, THE CENTRAL STOCK TABLE FOR CAT S SUPPORTING UP TO 8793 ACTIVE PACKS INDICATES 89 "SPARES REQUIRED". THESE 89 SPARES ARE REDUCED TO 53 BY THE TOTAL 36 SPARES AT THE OTHER SITES. A SIMILAR EXERCISE FOR THE TN934 SHOWS THAT THE Z POOL DOES NOT HELP IN REDUCING THE NUMBER OF SPARES. THIS IS A CONSEQUENCE OF THE SMALL NUMBER OF ACTIVE PACKS BEING GOVERNED BY THE MINIMUM SPARING REQUIREMENTS. THE FOLLOWING CHART SHOWS THE RESULTS OF THESE ASSUMPTIONS AND DETERMINATIONS:

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

INTRODUCTION CONTINUED

SITE	SRI	TN838* ACTIVE	TN838 SPARES		TN934* ACTIVE	TN934 SPARES	
			W/SW1* POOLING	W/Z		W/SW1* POOLING	W/Z
SW1 (POOL)	7 DAYS	960	38	2	1	2	2
RSM1A	1 DAY	64	2	2	1	0	0
RSM1B	2 HRS	64	0	0	1	0	0
SW2	1 DAY	960	3	3	1	0	0
RSM2A	2 HRS	64	0	0	1	0	0
RSM2B	2 HRS	64	0	0	1	0	0
SW3	1 DAY	960	3	3	1	0	0
RSM3A	2 HRS	64	0	0	1	0	0
RSM3B	2 HRS	64	0	0	1	0	0
SW4	7 DAYS	960	8	8	1	1	1
RSM4A	2 HRS	64	0	0	1	0	0
RSM4B	2 HRS	64	0	0	1	0	0
CLUSTER X TOTAL		4352	54	18	12	3	3

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

INTRODUCTION	CONTINUED					
CLUSTER Y TOTAL	4352	54	18	12	3	3
POOL Z 28 DAYS	(8704)		53			0
TOTAL SPARES			89			6

* PER CLUSTER

THE EFFECT OF ESTABLISHING THE Z POOL IS TO REDUCE THE QUANTITY OF TN838 SPARES BY 19 IN CONTRAST TO DOUBLING THE TN838 TOTAL SPARES QUANTITY OF THE FIRST EXAMPLE. THE PRESENCE OF THE Z POOL HAS NO EFFECT ON THE TN934 SPARES SINCE THESE SPARES ARE SPECIFIED BY THE MINIMUMS GIVEN IN TABLE A. THIS EXAMPLE ILLUSTRATES THE RANGE OF EFFECTS THAT MUST BE EVALUATED TO ASSURE MINIMIZING SPARES COSTS.

APPENDIX-1: 5ESS SWITCH SPARE PARTS DESCRIPTION CHARTS WORKSHEETS

1. INTRODUCTION

THIS APPENDIX PROVIDES THE 5ESS SWITCH SPARE PARTS DESCRIPTION CHART WORKSHEETS WHICH LIST ALL THE CURRENT CODES OF PARTS USED IN THE 5ESS SWITCH. A DESCRIPTION IS PROVIDED FOR EACH CODE WITH ITS DESIGNATION AS A "CRITICAL" OR "NON-CRITICAL" PART AND A SPARE PART CATEGORY ASSIGNMENT. THE WORKSHEETS ARE INTENDED TO BE REPRODUCED LOCALLY FOR USE IN DETERMINING SPARE PARTS OF SPECIFIC 5ESS SWITCH CONFIGURATIONS.

2. 5ESS SWITCH PARTS CATEGORY ASSIGNMENTS

EACH REPLACEABLE PART OF THE 5ESS SWITCH IS ASSIGNED TO A CATEGORY A-Y ON THE DESCRIPTION CHART WORKSHEETS. CATEGORY A IS PROVIDED FOR ADMINISTRATIVE MODULE PERIPHERAL UNITS AND REPLACEABLE AIR FILTERS. CATEGORIES B-AP ARE ASSIGNED BY GROUPING THE PARTS ACCORDING TO THEIR MEAN EXPECTED MATURE REPLACEMENT RATE ADJUSTED BY THE RIT/FIT FACTOR. THE SPECIFIC CATEGORY ASSIGNED TO A PART

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

INTRODUCTION CONTINUED
IS USED IN THE SPARES REQUIREMENT TABLES TO SPECIFY THE NUMBER OF SPARE PARTS REQUIRED FOR VARIOUS QUANTITIES OF ACTIVE PARTS.

3. DEFAULTS FOR UNASSIGNED PARTS

NEW CODES OF PARTS MAY ENTER THE SESS SWITCH THAT ARE NOT YET ASSIGNED TO A CATEGORY IN THIS ISSUE OF THE DESCRIPTION CHART WORKSHEETS. THESE CODES, OTHER THAN ADMINISTRATIVE MODULE (AM) PERIPHERAL UNITS OR AIR FILTERS, MAY BE ASSIGNED, MEANWHILE, TO "CATEGORY F." AM PERIPHERAL UNITS OR AIR FILTERS NOT SPECIFICALLY ASSIGNED, SHALL BE SPARED AS OTHER AM UNITS OR AIR FILTERS IN "CATEGORY A."

4. CRITERIA FOR DESIGNATION OF 'CRITICAL' SPARE PARTS

THE DESCRIPTION CHART WORKSHEETS INDICATE "C" OR "N" IN COLUMN "CRIT" TO DESIGNATE EACH REPLACEABLE SPARE PART CODE AS "CRITICAL" OR "NON-CRITICAL" TO THE SERVICEABLENESS OF THE TOTAL SESS SWITCH. IF THE FAILURE OF AN ACTIVE PART OF THAT CODE IN THE SWITCH WOULD CAUSE HARMFUL EFFECTS ON A SIGNIFICANT QUANTITY OF LINES OR TRUNKS, THAT CODE IS DESIGNATED AS "CRITICAL" AND SPECIAL CONSIDERATION MUST BE GIVEN IN DETERMINING THE REQUIRED NUMBER OF SPARE REPLACEMENT PARTS. WHEN THE FAILURE OF AN ACTIVE PART OF THAT CODE IN THE SWITCH WOULD AFFECT ONLY A RELATIVELY FEW LINES OR TRUNKS, A MINOR ALARM FUNCTION, A DEFERRABLE TEST FEATURE, OR A MINOR MAINTENANCE FEATURE, THAT CODE IS DESIGNATED IN THE CHARTS AS "NON-CRITICAL" AND CAN BE SPARED WITH LESS STRIDENT CONSTRAINTS.

SESS SWITCH SPARE PARTS DESCRIPTION CHARTS WORKSHEETS APP. 1 - 2

5. REPAIR SERVICE AND RETURN (RS&R) CONSIDERATIONS

REPLACEMENTS FOR FAULTY PARTS OF THE SWITCH CAN BE OBTAINED BY ORDERING NEW PARTS OR BY THE REPAIR SERVICE AND RETURN (RS&R)

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

INTRODUCTION CONTINUED

PROCESS. SOME LOWER COST PARTS MUST BE CONSIDERED AS "NON-REPAIRABLE" AS THE COST OF RS&R WILL EXCEED THE COST OF A NEW PART. MONITORING THIS ASPECT OF EACH RS&R PART IS ESSENTIAL TO EFFICIENT SPARING. THOSE PARTS KNOWN TO BE "NON-REPAIRABLE", FOR VARIOUS REASONS, ARE DESIGNATED WITH "D", FOR "DISCARD," IN THE "CRIT" COLUMN OF THE WORKSHEETS.

6. MICROCODE CARRIER PACK CONSIDERATIONS

THE DESCRIPTION CHART WORKSHEETS SHOW THE CIRCUIT PACK CODES WITHOUT REFERENCE TO MICROCODE APPLICATIONS. SPARING REQUIREMENTS TABLES ARE DETERMINED FROM REPLACEMENT RATES OF THE "CARRIER PACK" INDEPENDENT OF ANY MICROCODE USED WITH THE PACK. THE ACTIVE PART COUNT OF CIRCUIT PACKS WITH A MICROCODE MUST GROUP THOSE WITH THE SAME MICROCODE IDENTIFICATION TOGETHER. USUALLY THE ONLY CARRIER PACK WITH MULTIPLE MICROCODES USED IN THE SAME SESS SWITCH IS THE TN84, WHICH HAS FOUR. EACH OF THESE FOUR TYPES OF TN84 MUST BE TREATED AS A GROUP. THE DESCRIPTION CHART WORKSHEETS HAVE FOUR ENTRIES FOR THE TN84 FOR THIS PURPOSE. (AS USED WITH THE 3B20D-2, THE TN68 HAS TWO MICROCODE APPLICATIONS AND SO HAS TWO ENTRIES ON THE WORKSHEETS.) COMMON LANGUAGE EQUIPMENT IDENTIFICATION (CLEI) CODES CAN BE USED TO DETERMINE THE MICROCODE GROUPS.

INCLUDED IN THIS TABLE ARE THE MICROCODE NUMBERS FOR THOSE CIRCUIT PACKS HAVING MICROCODE. THESE NUMBERS ARE LISTED DIRECTLY BELOW THE CIRCUIT PACK IDENTITY ENTRY IN THE TABLE.

7. ADMINISTRATIVE MODULE (AM) PERIPHERAL UNITS SPARES

THE PERIPHERAL UNITS OF THE ADMINISTRATIVE MODULE (3B20D) SHALL BE TREATED AS REPLACEABLE PLUG-IN PARTS. THE VARIOUS TERMINALS, PRINTERS, DISK DRIVES, AND TAPE DRIVES ARE TO BE SPARED SUCH THAT ANY FAULTY UNIT CAN BE REPLACED WITH A SERVICEABLE UNIT AND THEN THE FAULTY UNIT CAN BE REPAIRED OFF-LINE, EITHER ON-SITE OR OFF-SITE BY SKILLED PERSONNEL. THE DESCRIPTION CHART WORKSHEETS SHOW THESE PERIPHERAL UNITS IN A SPECIAL "CATEGORY A" AND SHOW THE MINIMUM QUANTITY OF REPLACEMENT UNITS TO BE STOCKED AT A SWITCH SITE.

8. DESCRIPTION OF THE WORKSHEETS

THE DESCRIPTION CHART WORKSHEETS LIST ALL THE CURRENT CODES OF REPLACEABLE PARTS USED IN THE SESS SWITCH. AS STATED ABOVE, A DESIGNATION OF THE PART AS "CRITICAL" OR "NON-CRITICAL" IS

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

INTRODUCTION CONTINUED

INDICATED IN THE "CRIT" COLUMN. IF THE PART IS KNOWN TO BE "NON-REPAIRABLE," FOR VARIOUS REASONS, THE "CRIT" COLUMN ALSO HAS THE DESIGNATION "D," FOR "DISCARD." A DESCRIPTION OF THE LOCATION OF THE PART AND ITS USE IS PROVIDED. EACH CODE OF PART IS ASSIGNED TO A SPARE PARTS CATEGORY A-AP SHOWN IN THE "CAT" COLUMN. "CARRIER"

SESS SWITCH SPARE PARTS DESCRIPTION CHARTS WORKSHEETS APP. 1 - 3

CIRCUIT PACKS THAT HAVE AN APPLICATION MICROCODE ARE SHOWN INDEPENDENT OF THE MICROCODE. SOME CIRCUIT PACKS HAVE MULTIPLE ENTRIES IN THE LIST FOR USE WITH MULTIPLE APPLICATIONS OF MICROCODES. TWO MOSTLY BLANK COLUMNS, "ACTIVE" AND "SPARES," ARE PROVIDED FOR USE AS A WORKSHEET IN THE DETERMINATION OF PARTICULAR SPARES REQUIREMENTS. PART CODES THAT HAVE SPECIFIC SPARES REQUIREMENTS ASSIGNED HAVE THESE ENTRIES INDICATED.

REQUIREMENTS

SESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL OFFICE

SRI = 1 DAY - CENTRAL OFFICE

CAT	1	2	3	4	5	6	7	8	9	10
B	114									
C	38	4059								
D	22	2435								
E	16	1739								
F	12	1353	4726							
G	10	1107	3867							
H	8	936	3272							
I	7	811	2836	5555						
J	6	716	2502	4901						
K	6	640	2238	4385						

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS		CONTINUED								
L	5	579	2025	3968						
M	4	529	1849	3623	5711					
N	4	487	1701	3333	5254					
P	4	451	1575	3086	4865					
Q	3	419	1466	2873	4529					
R	3	392	1372	2688	4237	5959				
S	3	369	1289	2525	3980	5598				
T	3	347	1215	2380	3753	5278				
U	3	329	1149	2252	3550	4993				
V	2	312	1090	2136	3368	4737				
W	2	289	1012	1984	3127	4398	5768			
X	2	264	924	1811	2855	4016	5266			
Y	2	243	850	1666	2627	3694	4845			
Z	2	217	759	1488	2345	3299	4326	5412		
AA	1	190	664	1302	2052	2886	3785	4735	5729	
AB	1	169	590	1157	1824	2565	3364	4209	5092	
AC	1	152	531	1041	1642	2309	3028	3788	4583	5406
AD	1	138	483	946	1492	2099	2753	3444	4166	4915
AE	1	126	443	868	1368	1924	2423	3157	3819	4505
AF	1	117	409	801	1263	1776	2329	2914	3525	4158
AG	1	108	379	744	1172	1649	2163	2706	3273	3861
AH	1	101	354	694	1094	1539	2018	2525	3055	3604
AI	1	93	327	641	1010	1421	1863	2331	2820	3327
AJ	1	85	299	586	925	1301	1706	2134	2582	3045
AK	1	79	276	541	853	1199	1573	1968	2380	2808
AL	1	73	256	501	791	1112	1459	1825	2208	2605
AM	1	68	238	468	738	1037	1361	1702	2059	2429
AN	1	64	223	438	691	972	1275	1595	1929	2276
AP	1	60	210	412	650	914	1199	1500	1815	2141

SESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL OFFICE - 2

SRI = 1 DAY - CENTRAL OFFICE

CAT 11 12 13 14 15 16 17 18 19 20

Y
Z
AA
AB
AC
AD 5685
AE 5212 5936
AF 4811 5479
AG 4467 5088 5722
AH 4169 4749 5341 5944

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED										
AI	3848	4383	4930	5487						
AJ	3523	4013	4513	5023	5541					
AK	3249	3700	4162	4632	5110	5595				
AL	3014	3433	3861	4297	4740	5190	5646			
AM	2811	3201	3600	4007	4421	4840	5265	5695		
AN	2633	2999	3373	3754	4141	4534	4933	5336	5743	
AP	2477	2821	3173	3531	3895	4265	4640	5019	5402	5789

SESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL OFFICE - 2

SRI = 7 DAYS - CENTRAL OFFICE

CAT	1	2	3	4	5	6	7	8	9	10
B	95	1742								
C	31	580	2025	3968						
D	19	348	1215	2380	3753	5278				
E	13	248	868	1700	2680	3770	4944			
F	10	193	675	1322	2085	2932	3845	4811	5820	
G	8	158	552	1082	1706	2399	3146	3936	4761	5617
H	7	134	467	915	1443	2030	2662	3330	4029	4753
I	6	116	405	793	1251	1759	2307	2886	3492	4119
J	5	102	357	700	1103	1552	2035	2547	3081	3634
K	5	91	319	626	987	1389	1821	2278	2756	3252
L	4	82	289	566	893	1256	1648	2061	2494	2942
M	4	75	264	517	815	1147	1504	1882	2277	2686
N	3	69	243	476	750	1055	1384	1731	2095	2471
P	3	64	225	440	695	977	1281	1603	1940	2288
Q	3	60	209	410	647	910	1193	1493	1806	2130
R	3	56	196	384	605	851	1116	1396	1689	1993
S	2	52	184	360	568	799	1048	1312	1587	1872
T	2	49	173	340	536	754	988	1237	1496	1765
U	2	47	164	321	507	713	935	1170	1415	1669
V	2	44	155	305	481	676	887	1110	1343	1584
W	2	41	144	283	446	628	824	1030	1247	1471
X	2	37	132	258	407	573	752	941	1138	1343
Y	1	34	121	238	375	527	692	865	1047	1235
Z	1	31	108	212	335	471	618	773	935	1103
AA	1	27	94	186	293	412	540	676	818	965
AB	1	24	84	165	260	366	480	601	727	858
AC	1	21	75	148	234	329	432	541	654	772
AD	1	19	69	135	213	299	393	492	595	702
AE	1	18	63	124	195	274	360	451	545	643
AF	1	16	53	114	180	253	332	416	503	594

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

	REQUIREMENTS		CONTINUED								
AG	1	15	54	106	167	235	309	386	467	551	
AH	1	14	50	99	156	219	288	360	436	514	
AI	1	13	46	91	144	203	266	333	402	475	
AJ	1	12	42	83	132	185	243	304	368	435	
AK	1	11	39	77	121	171	224	281	340	401	
AL	1	10	36	71	113	158	208	260	315	372	
AM	1	9	34	66	95	148	194	243	294	347	
AN	1	9	31	62	98	138	182	227	275	325	
AP	1	8	30	58	92	130	171	214	259	305	

SRI = 7 DAYS - CENTRAL OFFICE
CAT 11 12 13 14 15 16 17 18 19 20

B										
C										
D										
E										
F										
G										
H	5498									
I	4765	5427								
J	4204	4789	5386	5994						
K	3762	4285	4819	5363	5917					
L	3403	3876	4360	4852	5353	5861				
M	3107	3539	3981	4430	4887	5351	5821			
N	2859	3256	3662	4076	4496	4923	5355	5793		
P	2647	3015	3391	3774	4163	4558	4959	5364	5773	
Q	2464	2807	3157	3514	3876	4244	4617	4994	5375	5760
R	2305	2626	2953	3287	3626	3970	4319	4672	5028	5388
S	2166	2467	2774	3088	3406	3730	4057	4388	4723	5062
T	2042	2326	2616	2911	3212	3516	3825	4138	4454	4773
U	1931	2200	2474	2754	3038	3326	3618	3914	4213	4515
V	1832	2087	2347	2613	2882	3156	3433	3713	3997	4283
W	1701	1938	2180	2426	2676	2930	3188	3448	3711	3977
X	1553	1769	1990	2215	2443	2675	2910	3148	3388	3631
Y	1429	1628	1831	2038	2248	2461	2677	2896	3117	3341
Z	1276	1453	1635	1819	2007	2198	2391	2586	2783	2983
AA	1116	1272	1430	1592	1756	1923	2092	2263	2435	2610
AB	992	1130	1271	1415	1561	1709	1859	2011	2165	2320
AC	893	1017	1144	1273	1405	1538	1673	1810	1948	2088
AD	812	925	1040	1158	1277	1398	1521	1645	1771	1898
AE	744	848	953	1061	1171	1282	1394	1508	1623	1740
AF	687	782	880	979	1080	1183	1287	1392	1498	1606
AG	638	726	817	909	1003	1099	1195	1293	1391	1491

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

	REQUIREMENTS		CONTINUED							
AH	595	978	763	849	936	1025	1115	1206	1299	1392
AI	549	626	704	783	864	946	1029	1114	1199	1285
AJ	503	573	644	717	791	866	942	1019	1097	1176
AK	464	528	594	661	730	799	869	940	1012	1084
AL	430	490	551	613	677	741	806	872	939	1006
AM	401	457	514	572	631	691	752	813	875	938
AN	376	428	481	536	591	647	704	462	820	879
AP	353	403	453	524	656	609	662	717	771	827

SESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL OFFICE - 3

SRI = 7 DAYS - CENTRAL OFFICE

CAT	21	22	23	24	25	26	27	28	29	30
B										
C										
D										
E										
F										
G										
H										
I										
J										
K										
L										
M										
N										
P										
Q										
R	5752									
S	5403	5747								
T	5094	5419	5746							
U	4819	5126	5435	5747						
V	4572	4863	5157	5452	5750					
W	4245	4516	4788	5063	5339	5617	5897			
X	3876	4123	4372	4622	4875	5128	5384	5640	5899	
Y	3566	3793	4022	4253	4485	4718	4953	5189	5427	5665
Z	3184	3387	3591	3797	4004	4213	4422	4633	4845	5058

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

	REQUIREMENTS		CONTINUED							
AA	2786	2963	3142	3322	3503	3686	3869	4054	4239	4426
AB	2476	2634	2793	2953	3114	3276	3439	3603	3768	3934
AC	2228	2370	2514	2658	2803	2949	3095	2343	3391	3541
AD	2026	2155	2285	2416	2548	2681	2814	2948	3083	3219
AE	1857	1975	2095	2215	2335	2457	2579	2702	2826	2950
AF	1714	1826	1933	2044	2156	2268	2381	2495	2609	2723
AG	1592	1693	1795	1898	2002	2106	2211	2316	2422	2529
AH	1485	1580	1676	1772	1868	1966	2063	2162	2261	2360
AI	1371	1459	1547	1635	1725	1814	1905	1996	2087	2179
AJ	1255	1335	1416	1497	1579	1661	1744	1827	1910	1994
AK	1157	1231	1305	1380	1456	1532	1608	1684	1762	1839
AL	1074	1142	1211	1281	1350	1421	1492	1563	1634	1706
AM	1001	1065	1129	1194	1259	1325	1391	1457	1524	1591
AN	938	998	1058	1119	1180	1241	1303	1365	1428	1490
AP	882	939	995	1052	1110	1167	1226	1284	1343	1402

SESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL OFFICE - 6

SRI = 7 DAYS - CENTRAL OFFICE

CAT	31	32	33	34	35	36	37	38	39	40
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Y 5905

Z	5272	5487	5703	5919						
AA	4613	4801	4990	5179	5370	5561	5752	5945		
AB	4100	4268	4435	4604	4773	4943	5113	5284	5455	5627
AC	3690	3841	3992	4143	4296	4448	4602	4756	4910	5065
AD	3355	3492	3629	3767	3905	4044	4183	4323	4463	4604
AE	3075	3201	3326	3453	3580	3707	3835	3963	4091	4220
AF	2839	2954	3071	3187	3304	3422	3540	3658	3777	3896
AG	2636	2743	2851	2959	3068	3177	3287	3397	3507	3617
AH	2460	2560	2661	2762	2864	2965	3068	3170	3273	3376
AI	2271	2363	2756	2550	2643	2737	2832	2926	3021	3116
AJ	2079	2164	2249	2334	2420	2506	2592	2679	2766	2853
AK	1917	1995	2073	2152	2231	2311	2390	2470	2550	2631
AL	1778	1851	1924	1997	2070	2144	2217	2292	2366	2441
AM	1658	1726	1794	1862	1930	1999	2068	2137	2206	2276
AN	1554	1617	1680	1744	1808	1873	1937	2002	2067	2132
AP	1461	1521	1581	1641	1701	1761	1822	1883	1944	2005

SESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL OFFICE - 7

SRI = 7 DAYS - CENTRAL OFFICE

CAT	41	42	43	44	45	46	47	48	49	50
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Y

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED

Z										
AA										
AB	5800	5973								
AC	5220	5375	5531	5688	5845					
AD	4745	4887	5029	5171	5313	5456	5600	5743	5887	
AE	4350	4479	4609	4740	4871	5002	5133	5264	5396	5528
AF	4015	4135	4255	4375	4496	4617	4738	4859	4981	5103
AG	3728	3839	3951	4063	4175	4287	4400	4512	4625	4739
AH	3480	3583	3687	3792	3896	4001	4106	4211	4317	4423
AI	3212	3308	3404	3500	3597	3693	3790	3887	3985	4082
AJ	2941	3028	3116	3204	3293	3381	3470	3559	3648	3737
AK	2711	2792	2873	2955	3036	3118	3200	3282	3364	3446
AL	2515	2590	2666	2741	2816	2892	2968	3044	3121	3197
AM	2346	2416	2486	2556	2627	2697	2768	2839	2910	2981
AN	2198	2263	2329	2395	2461	2527	2593	2660	2726	2793
AP	2067	2129	2190	2252	2314	2377	2439	2502	2564	2627

SESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL OFFICE - 8

SRI = 7 DAYS - CENTRAL OFFICE										
CAT	51	52	53	54	55	56	57	58	59	60

Y										
Z										
AA										
AB										
AC										
AD										
AE	5661	5794	5927							
AF	5225	5348	5471	5594	5717	5840	5964			
AG	4852	4966	5080	5194	5308	5423	5538	5653	5768	5883
AH	4529	4635	4741	4848	4954	5061	5168	5276	5383	5491
AI	4180	4278	4376	4475	4573	4672	4771	4870	4969	5068
AJ	3827	3917	4007	4097	4187	4277	4368	4458	4549	4640
AK	3529	3611	3694	3777	3860	3944	4027	4111	4195	4278
AL	3274	3350	3427	3504	3581	3659	3736	3814	3891	3969
AM	3053	3124	3196	3268	3340	3412	3484	3556	3629	3701
AN	2860	2927	2994	3062	3129	3196	3264	3332	3400	3468
AP	2690	2753	2816	2880	2943	3007	3070	3134	3198	3262

SESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL OFFICE - 4

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED
SRI = 14 DAYS - CENTRAL OFFICE

CAT	1	2	3	4	5	6	7	8	9	10
B	83	898	3038	5952						
C	27	299	1012	1984	3127	4398	5768			
D	16	179	607	1190	1876	2639	3460	4329	5238	
E	11	128	434	850	1340	1885	2472	3092	3741	4413
F	9	99	337	661	1042	1466	1922	2405	2910	3432
G	7	81	276	541	853	1199	1573	1968	2380	2808
H	6	69	233	457	721	1015	1331	1665	2014	2376
I	5	59	202	396	625	879	1153	1443	1746	2059
J	4	52	178	350	551	776	1017	1273	1540	1817
K	4	47	159	313	493	694	910	1139	1378	1626
L	3	42	144	283	446	628	824	1030	1247	1471
M	3	39	132	258	407	573	752	941	1138	1343
N	3	35	121	238	375	527	692	865	1047	1235
P	3	33	112	220	347	488	640	801	970	1144
Q	2	30	104	205	323	455	596	746	903	1065
R	2	28	98	192	302	425	558	698	844	996
S	2	27	92	180	284	399	524	656	793	936
T	2	25	86	170	268	377	494	618	748	882
U	2	24	82	160	253	356	467	585	707	834
V	2	23	77	152	240	338	443	555	671	792
W	1	21	72	141	223	314	412	515	623	735
X	1	19	66	129	203	286	376	470	569	671
Y	1	17	60	119	187	263	346	432	523	617
Z	1	16	54	106	167	235	309	386	467	551
AA	1	14	47	93	146	206	270	338	409	482
AB	1	12	42	82	130	183	240	300	363	429
AC	1	11	37	74	117	164	216	270	327	386
AD	1	10	34	67	106	149	196	246	297	351
AE	1	9	31	62	97	137	180	225	272	321
AF	1	8	29	57	90	126	166	208	251	297
AG	1	8	27	53	83	117	154	193	233	275
AH	1	7	25	49	78	109	144	180	218	257
AI	1	6	23	45	72	101	133	166	201	237
AJ	1	6	21	41	66	92	121	152	184	217
AK	1	5	19	38	60	85	112	140	170	200
AL	1	5	18	35	56	79	104	130	157	186
AM	1	5	17	33	52	74	97	121	147	173
AN	1	4	15	31	49	69	91	113	137	162
AP	1	4	15	29	46	65	85	107	129	152

SRI = 14 DAYS - CENTRAL OFFICE

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS		CONTINUED								
CAT	11	12	13	14	15	16	17	18	19	20
B										
C										
D										
E	5105	5815								
F	3971	4523	5087	5661						
G	3249	3700	4162	4632	5110	5595				
H	2749	3131	3521	3919	4323	4734	5149	5570	5995	
I	2382	2713	3052	3396	3747	4103	4463	4827	5196	5568
J	2102	2394	2693	2997	3306	3620	3938	4259	4585	4913
K	1881	2142	2409	2681	2958	3239	3523	3811	4102	4396
L	1701	1938	2180	2426	2676	2930	3188	3448	3711	3977
M	1553	1769	1990	2215	2443	2675	2910	3148	3388	3631
N	1429	1628	1831	2038	2248	2461	2677	2896	3117	3341
P	1323	1507	1695	1887	2081	2279	2479	2682	2886	3093
Q	1232	1403	1578	1757	1938	2122	2308	2497	2687	2880
R	1152	1313	1476	1643	1813	1985	2159	2336	2514	2694
S	1083	1233	1387	1544	1703	1865	2028	2194	2361	2531
T	1021	1163	1308	1455	1606	1758	1912	2069	2227	2386
U	965	1100	1237	1377	1519	1663	1809	1957	2106	2257
V	916	1043	1173	1306	1441	1578	1716	1856	1998	2141
W	850	969	1090	1213	1338	1465	1594	1724	1855	1988
X	776	884	995	1107	1221	1337	1455	1574	1694	1815
Y	714	814	915	1019	1124	1230	1338	1448	1558	1670
Z	638	726	817	909	1003	1099	1195	1293	1391	1491
AA	558	636	715	796	878	961	1046	1131	1217	1305
AB	496	565	635	707	780	854	929	1005	1082	1160
AC	446	508	572	636	702	769	836	905	974	1044
AD	406	462	520	579	638	699	760	822	885	949
AE	372	424	476	530	585	641	697	754	811	870
AF	343	391	440	489	540	591	643	696	749	803
AG	319	363	408	454	501	549	597	646	695	745
AH	297	339	381	424	468	512	557	603	649	696
AI	274	313	352	391	432	473	514	557	599	642
AJ	251	286	322	358	395	433	471	509	548	588
AK	232	264	297	330	365	399	434	470	506	542
AL	215	245	275	306	338	370	403	436	469	503
AM	200	228	257	286	315	345	376	406	437	469
AN	188	214	240	268	295	323	352	381	410	439
AP	176	201	226	252	278	304	331	358	385	413

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED

SESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL OFFICE - 5

SRI = 14 DAYS - CENTRAL OFFICE

CAT	21	22	23	24	25	26	27	28	29	30
B										
C										
D										
E										
F										
G										
H										
I	5943									
J	5244	5578	5915							
K	4692	4991	5292	5596	5901					
L	4245	4516	4788	5063	5339	5617	5897			
M	3876	4123	4372	4622	4875	5128	5384	5640	5899	
N	3566	3793	4022	4253	4485	4718	4953	5189	5427	5665
P	3302	3512	3724	3937	4152	4369	4586	4805	5025	5245
Q	3074	3270	3467	3666	3866	4067	4270	4473	4678	4884
R	2876	3059	3243	3429	3617	3805	3994	4185	4376	4569
S	2701	2873	3047	3221	3397	3574	3752	3931	4111	4292
T	2547	2709	2873	3037	3203	3370	3538	3706	3876	4046
U	2409	2563	2717	2873	3030	3188	3346	3506	3666	3828
V	2286	2431	2578	2726	2875	3024	3175	3326	3478	3631
W	2122	2258	2394	2531	2669	2808	2948	3089	3230	3372
X	1938	2061	2186	2311	2437	2564	2692	2820	2949	3079
Y	1783	1896	2011	2126	2242	2359	2476	2594	2713	2832

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

	REQUIREMENTS		CONTINUED							
Z	1592	1693	1795	1898	2002	2106	2211	2316	2422	2529
AA	1393	1481	1571	1661	1751	1843	1934	2027	2119	2213
AB	1238	1317	1396	1476	1557	1638	1719	1801	1884	1967
AC	1114	1185	1257	1329	1401	1474	1547	1621	1695	1770
AD	1013	1077	1142	1208	1274	1340	1407	1474	1541	1609
AE	928	981	1047	1107	1167	1228	1289	1351	1413	1475
AF	857	911	966	1022	1078	1134	1190	1247	1304	1361
AG	796	846	897	949	1001	1053	1105	1158	1211	1264
AH	742	790	838	886	934	983	1031	1081	1130	1180
AI	685	729	773	817	862	907	952	998	1043	1089
AJ	627	667	708	748	789	830	872	913	955	997
AK	578	615	652	690	728	766	804	842	881	919
AL	537	571	605	640	675	710	746	781	817	853
AM	500	532	564	597	629	662	695	728	762	795
AN	469	499	529	559	590	620	651	682	714	745
AP	441	469	497	526	555	583	613	642	671	701

SRI = 14 DAYS - CENTRAL OFFICE

CAT 31 32 33 34 35 36 37 38 39 40

B
C
D
E
F
G
H
I
J
K

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED

L										
M										
N	5905									
P	5467	5690	5914							
Q	5090	5298	5506	5715	5925					
R	4762	4956	5151	5347	5543	5740	5938			
S	4473	4656	4839	5023	5207	5392	5578	5764	5951	
T	4218	4390	4562	4735	4909	5084	5259	5435	5611	5788
U	3990	4152	4316	4479	4644	4809	4975	5141	5308	5475
V	3785	3939	4094	4250	4406	4563	4720	4878	5036	5194
W	3515	3658	3802	3946	4091	4237	4383	4529	4676	4823
X	3209	3340	3471	3603	3735	3868	4001	4135	4269	4404
Y	2952	3073	3193	3315	3436	3559	3681	3804	3928	4052
Z	2636	2743	2851	2959	3068	3177	3287	3397	3507	3617
AA	2306	2400	2495	2589	2685	2780	2876	2972	3068	3165
AB	2050	2134	2217	2302	2386	2471	2556	2642	2727	2813
AC	1845	1920	1996	2071	2148	2224	2301	2378	2455	2532
AD	1677	1746	1814	1883	1952	2022	2091	2161	2231	2302
AE	1537	1600	1663	1726	1790	1853	1917	1981	2045	2110
AF	1419	1477	1535	1593	1652	1711	1700	1829	1888	1948
AG	1318	1371	1425	1479	1534	1588	1643	1698	1753	1808
AH	1230	1280	1330	1381	1432	1482	1534	1585	1636	1688
AI	1135	1181	1228	1275	1321	1368	1416	1463	1510	1558
AJ	1039	1082	1124	1167	1210	1253	1296	1339	1383	1426
AK	958	997	1036	1076	1115	1155	1195	1235	1275	1315
AL	889	925	962	998	1035	1072	1108	1146	1183	1220
AM	829	863	897	931	965	999	1034	1068	1103	1138
AN	777	808	840	872	904	936	968	1001	1033	1066
AP	730	760	790	820	850	880	911	941	972	1002

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED

SESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL OFFICE - 6

SRI = 14 DAYS - CENTRAL OFFICE

CAT	41	42	43	44	45	46	47	48	49	50
B										
C										
D										
E										
F										
G										
H										
I										
J										
K										
L										
M										
N										
P										
Q										
R										
S										
T	5966									
U	5643	5811	5980							
V	5354	5513	5673	5834	5995					
W	4971	5119	5268	5417	5566	5716	5866			
X	4539	4674	4810	4946	5082	5219	5356	5493	5631	5769
Y	4176	4300	4425	4550	4676	4801	4928	5054	5180	5307
Z	3728	3839	3951	4063	4175	4287	4400	4512	4625	4739
AA	3262	3359	3457	3555	3653	3751	3850	3948	4047	4146
AB	2900	2986	3073	3160	3247	3334	3422	3509	3597	3685
AC	2610	2687	2765	2844	2922	3001	3080	3158	3238	3317
AD	2372	2443	2514	2585	2656	2728	2800	2871	2943	3015
AE	2175	2239	2304	2370	2435	2501	2566	2632	2698	2764
AF	2007	2067	2127	2187	2248	2308	2369	2429	2490	2551
AG	1864	1919	1975	2031	2087	2143	2200	2256	2312	2369
AH	1740	1791	1843	1896	1948	2000	2053	2105	2158	2211
AI	1606	1654	1702	1750	1798	1846	1895	1943	1992	2041
AJ	1470	1514	1558	1602	1646	1690	1735	1779	1824	1868
AK	1355	1396	1436	1477	1518	1559	1600	1641	1682	1723
AL	1257	1295	1333	1370	1408	1446	1484	1522	1560	1598
AM	1173	1208	1243	1278	1313	1348	1384	1419	1455	1490

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

	REQUIREMENTS CONTINUED									
AN	1099	1131	1164	1197	1230	1263	1296	1330	1363	1396
AP	1033	1064	1095	1126	1157	1188	1219	1251	1282	1313

SRI = 14 DAYS - CENTRAL OFFICE

CAT 51 52 53 54 55 56 57 58 59 60

B
C
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R
S
T
U
V
W

X 5907
Y 5434 5562 5689 5817 5945
Z 4852 4966 5080 5194 5308 5423 5538 5653 5768 5883

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

	REQUIREMENTS		CONTINUED							
AA	4246	4645	4445	4545	4645	4745	4845	4946	5047	5148
AB	3774	3862	3951	4040	4129	4218	4307	4396	4486	4576
AC	3396	3476	3556	3636	3716	3796	3876	3957	4037	4118
AD	3088	3160	3232	3305	3378	3451	3524	3597	3670	3744
AE	2830	2897	2963	3030	3096	3163	3230	3297	3364	3432
AF	2612	2674	2735	2797	2858	2920	2982	3043	3105	3168
AG	2426	2483	2540	2597	2654	2711	2769	2826	2884	2941
AH	2264	2317	2370	2424	2477	2530	2584	2638	2691	2745
AI	2090	2139	2188	2237	2286	2336	2385	2435	2484	2534
AJ	1913	1958	2003	2048	2093	2138	2184	2229	2274	2320
AK	1764	1805	1847	1888	1930	1972	2013	2055	2097	2139
AL	1637	1675	1713	1752	1790	1829	1868	1907	1945	1984
AM	1526	1562	1598	1634	1670	1706	1742	1778	1814	1850
AN	1430	1463	1497	1531	1564	1598	1632	1666	1700	1734
AP	1345	1376	1408	1440	1471	1503	1535	1567	1599	1631

5ESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL OFFICE - 7

SRI = 21 DAYS - CENTRAL OFFICE

CAT	1	2	3	4	5	6	7	8	9	10
B	75	630	2026	3968						
C	25	210	675	1322	2085	2932	3845	4811	5820	
D	15	126	405	793	1251	1759	2307	2886	3492	4119
E	10	90	289	566	893	1256	1648	2061	2494	2942
F	8	70	225	440	695	977	1281	1603	1940	2288
G	6	57	184	360	568	799	1048	1312	1587	1872
H	5	48	155	305	481	676	887	1110	1343	1584
I	5	42	135	264	417	586	769	962	1164	1373

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS		CONTINUED								
J	4	37	119	233	367	517	678	849	1027	1211
K	3	33	106	208	329	463	607	759	918	1084
L	3	30	96	188	297	418	549	687	831	980
M	3	27	88	172	271	382	501	627	759	895
N	3	25	81	158	250	351	461	577	698	823
P	2	23	75	146	231	325	427	534	646	762
Q	2	21	69	136	215	303	397	497	602	710
R	2	20	65	128	201	283	372	465	563	664
S	2	19	61	120	189	266	349	437	529	624
T	2	18	57	113	178	251	329	412	498	588
U	2	17	54	107	169	237	311	390	471	556
V	1	16	51	101	160	225	295	370	447	528
W	1	15	48	94	148	209	274	343	415	490
X	1	13	44	86	135	191	250	313	379	447
Y	1	12	40	79	125	175	230	288	349	411
Z	1	11	36	70	11	157	206	257	311	367
AA	1	9	31	62	97	137	180	225	272	321
AB	1	8	28	55	86	122	160	200	242	286
AC	1	7	25	49	78	109	144	180	218	257
AD	1	7	23	45	71	99	131	164	198	234
AE	1	6	21	41	65	91	120	150	181	214
AF	1	6	19	38	60	84	110	138	167	198
AG	1	5	18	35	55	78	103	128	155	183
AH	1	5	16	33	52	73	96	120	145	171
AI	1	4	15	30	48	67	88	111	134	158
AJ	1	4	14	27	44	61	81	101	122	145
AK	1	4	13	25	40	57	74	93	113	133
AL	1	3	12	23	37	55	69	86	105	124
AM	1	3	11	22	35	49	64	81	98	115
AN	1	3	10	20	32	46	60	75	91	108
AP	1	3	10	19	30	43	57	71	86	101

SRI = 21 DAYS - CENTRAL OFFICE

CAT	11	12	13	14	15	16	17	18	19	20
B										
C										
D	4765	5427								
E	3403	3876	4360	4852	5353	5861				
F	2647	3015	3391	3774	4163	4558	4959	5364	5773	
G	2166	2467	2774	3088	3406	3730	4057	4388	4723	5062

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

	REQUIREMENTS		CONTINUED							
H	1832	2087	2347	2613	2882	3156	3433	3713	3997	4283
I	1588	1809	2034	2264	2498	2735	2975	3218	3464	3712
J	1401	1596	1795	1998	2204	2413	2625	2839	3056	3275
K	1254	1428	1606	1787	1972	2159	2349	2540	2734	2930
L	1134	1292	1453	1617	1784	1953	2125	2298	2474	2651
M	1035	1179	1327	1476	1629	1783	1940	2099	2259	2421
N	953	1085	1220	1358	1498	1641	1785	1931	2078	2227
P	882	1005	1130	1258	1387	1519	1653	1788	1924	2062
Q	821	935	1052	1171	1292	1414	1539	1664	1791	1920
R	768	875	984	1095	1208	1323	1439	1557	1676	1796
S	722	822	924	1029	1135	1243	1352	1462	1574	1687
T	680	775	872	970	1070	1172	1275	1379	1484	1591
U	643	733	824	918	1012	1108	1206	1304	1404	1505
V	610	695	782	871	960	1052	1144	1237	1332	1427
W	567	646	726	808	892	976	1062	1149	1237	1325
X	517	589	663	738	814	891	970	1049	1129	1210
Y	476	542	610	679	749	820	892	965	1039	1113
Z	425	484	545	606	669	732	797	862	927	994
AA	372	424	476	530	585	641	697	754	811	870
AB	330	376	423	471	520	569	619	670	721	773
AC	297	339	381	424	468	512	557	603	649	696
AD	270	308	346	386	425	466	507	548	590	632
AE	248	282	317	353	390	427	464	502	541	580
AF	229	260	293	326	360	394	429	464	499	535
AG	212	242	272	303	334	366	398	431	463	497
AH	198	226	254	283	312	341	371	402	433	464
AI	183	208	234	261	288	315	343	371	399	428
AJ	167	191	214	239	263	288	314	339	365	392
AK	154	176	198	220	243	266	289	313	337	361
AL	143	163	183	204	225	247	268	290	313	335
AM	133	152	171	190	210	230	250	271	291	312
AN	125	142	160	178	197	215	234	254	273	293
AP	117	134	151	168	185	203	220	239	257	275

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED

SESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL OFFICE - 8

SRI = 21 DAYS - CENTRAL OFFICE

CAT	21	22	23	24	25	26	27	28	29	30
B										
C										
D										
E										
F										
G	5403	5747								
H	4572	4863	5157	5452	5750					
I	3962	4215	4469	4725	4983	5242	5503	5766		
J	3496	3719	3943	4169	4397	4626	4856	5087	5320	5554
K	3128	3327	3528	3730	3934	4139	4345	4552	4760	4969
L	2830	3010	3192	3375	3559	3744	3931	4118	4307	4496
M	2584	2748	2914	3081	3250	3419	3589	3760	3932	4105
N	2377	2529	2681	2835	2990	3145	3302	3459	3618	3777
P	2201	2341	2483	2625	2768	2912	3057	3203	3350	3497
Q	2049	2180	2311	2444	2577	2711	2846	2982	3119	3256
R	1917	2039	2162	2286	2411	2536	2663	2790	2917	3046
S	1801	1915	2031	2147	2265	2383	2501	2621	2740	2861
T	1698	1806	1915	2025	2135	2246	2358	2471	2584	2697
U	1606	1708	1811	1915	2020	2125	2231	2337	2444	2552
V	1524	1621	1719	1817	1916	2016	2116	2217	2319	2421
W	1415	1505	1596	1687	1779	1872	1965	2059	2153	2248
X	1292	1374	1457	1540	1625	1709	1794	1880	1966	2052
Y	1188	1264	1340	1417	1495	1572	1651	1729	1809	1888
Z	1061	1129	1197	1265	1334	1404	1474	1544	1615	1686
AA	928	987	1047	1107	1167	1228	1289	1351	1413	1475
AB	825	878	931	984	1038	1092	1146	1201	1256	1311
AC	742	790	838	886	934	983	1031	1081	1130	1180
AD	675	718	761	805	849	893	938	982	1027	1073
AE	619	658	698	738	778	819	859	900	942	983
AF	571	607	644	681	718	756	793	831	869	907
AG	530	564	598	632	667	702	737	772	807	843
AH	495	526	558	590	622	655	687	720	753	786
AI	457	486	515	545	575	604	635	665	695	726
AJ	418	445	472	499	526	553	581	609	636	664
AK	385	410	435	460	485	510	536	561	587	613
AL	358	380	403	427	450	473	497	521	544	568

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

	REQUIREMENTS		CONTINUED								
AM	333	355	376	398	419	441	463	485	508	530	
AN	312	332	352	373	393	413	434	455	476	496	
AP	294	313	331	350	370	389	408	428	447	467	

SRI = 21 DAYS - CENTRAL OFFICE

CAT	31	32	33	34	35	36	37	38	39	40
B										
C										
D										
E										
F										
G										
H										
I										
J	5789									
K	5180	5391	5603	5816						
L	4686	4877	5069	5262	5455	5649	5844			
M	4279	4453	4628	4804	4981	5158	5335	5514	5693	5872
N	3936	4097	4258	4420	4582	4745	4909	5073	5237	5402
P	3645	3793	3943	4092	4243	4394	4545	4697	4849	5002
Q	3393	3532	3671	3810	3950	4091	4231	4373	4515	4657
R	3174	3304	3434	3564	3695	3827	3958	4091	4223	4357
S	2982	3104	3226	3348	3471	3595	3719	3843	3967	4093
T	2812	2926	3041	3157	3273	3389	3506	3623	3741	3859
U	2660	2768	2877	2986	3096	3206	3316	3427	3539	3650
V	2523	2626	2729	2833	2937	3042	3146	3252	3357	3463
W	2343	2438	2534	2631	2727	2824	2922	3019	3117	3215
X	2139	2226	2314	2402	2490	2579	2667	2757	2846	2936
Y	1968	2048	2129	2210	2291	2372	2454	2536	2618	2701

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

	REQUIREMENTS		CONTINUED							
Z	1757	1829	1901	1973	2045	2118	2191	2264	2338	2411
AA	1537	1600	1663	1726	1790	1853	1917	1981	2045	2110
AB	1366	1422	1478	1534	1591	1647	1704	1761	1818	1875
AC	1230	1280	1330	1381	1432	1482	1534	1585	1636	1688
AD	1118	1164	1209	1255	1301	1348	1394	1441	1487	1534
AE	1025	1067	1108	1151	1193	1235	1278	1321	1363	1406
AF	946	984	1023	1062	1101	1140	1180	1219	1259	1298
AG	878	914	950	986	1022	1059	1095	1132	1169	1205
AH	820	853	887	920	954	988	1022	1056	1091	1125
AI	757	787	818	850	881	912	944	975	1007	1038
AJ	693	721	749	778	806	835	864	893	922	951
AK	639	665	691	717	743	770	796	823	850	877
AL	592	617	641	665	690	714	736	764	788	813
AM	552	575	598	620	643	666	689	712	735	758
AN	518	539	560	581	602	624	645	667	689	710
AP	487	507	527	547	567	587	607	627	648	668

SESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL OFFICE - 9

SRI = 21 DAYS - CENTRAL OFFICE

CAT 41 42 43 44 45 46 47 48 49 50

B

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED

C										
D										
E										
F										
G										
H										
I										
J										
K										
L										
M										
N	5568	5734	5900							
P	5155	5309	5463	5618	5773	5928				
Q	4800	4943	5086	5230	5374	5519	5664	5809	5955	
R	4490	4624	4758	4893	5028	5163	5298	5434	5570	5707
S	4218	4344	4470	4596	4723	4850	4977	5105	5233	5361
T	3977	4095	4214	4334	4453	4573	4693	4813	4934	5055
U	3762	3874	3987	4099	4212	4326	4439	4553	4667	4781
V	3569	3675	3782	3889	3996	4104	4211	4319	4428	4536
W	3314	3413	3512	3611	3711	3811	3911	4011	4111	4212
X	3026	3116	3206	3297	3388	3479	3571	3662	3754	3846
Y	2784	2867	2950	3033	3117	3201	3285	3369	3453	3538
Z	2485	2559	2634	2708	2783	2858	2933	3008	3083	3159
AA	2175	2239	2304	2370	2435	2501	2566	2632	2698	2764
AB	1933	1991	2048	2106	2164	2223	2281	2339	2398	2457
AC	1740	1791	1843	1896	1948	2000	2053	2105	2158	2211
AD	1581	1629	1676	1723	1771	1818	1866	1914	1962	2010
AE	1450	1493	1536	1580	1623	1667	1711	1754	1798	1842
AF	1338	1378	1418	1458	1498	1539	1579	1619	1660	1701
AG	1242	1279	1317	1354	1391	1429	1466	1504	1541	1579
AH	1160	1194	1229	1264	1298	1333	1368	1403	1439	1474
AI	1070	1102	1134	1166	1199	1231	1263	1295	1328	1360
AJ	980	1009	1038	1068	1097	1127	1156	1186	1216	1245
AK	903	930	957	985	1012	1039	1066	1094	1121	1148
AL	838	863	888	913	938	964	989	1014	1040	1065
AM	782	805	828	852	875	899	922	946	970	993
AN	732	754	776	798	820	842	864	886	908	931
AP	689	709	730	750	771	792	813	834	854	875

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED

SRI = 21 DAYS - CENTRAL OFFICE

CAT	51	52	53	54	55	56	57	58	59	60
B										
C										
D										
E										
F										
G										
H										
I										
J										
K										
L										
M										
N										
P										
Q										
R	5844	5981								
S	5489	5618	5747	5876						
T	5176	5297	5419	5540	5662	5784	5907			
U	4896	5011	5126	5241	5356	5472	5588	5704	5820	5936
V	4645	4754	4863	4972	5081	5191	5301	5411	5521	5632
W	4313	4414	4515	4617	4718	4820	4922	5024	5127	5229
X	3938	4030	4123	4215	4308	4401	4494	4588	4681	4775
Y	3623	3708	3793	3878	3963	4049	4135	4220	4306	4393
Z	3235	3310	3386	3462	3539	3615	3692	3768	3845	3922
AA	2830	2897	2963	3030	3096	3163	3230	3297	3364	3432
AB	2516	2575	2634	2693	2752	2812	2871	2931	2990	3050
AC	2264	2317	2370	2424	2477	2530	2584	2638	2691	2745
AD	2058	2106	2155	2203	2252	2300	2349	2395	2447	2496
AE	1887	1931	1975	2020	2064	2109	2153	2198	2243	2288
AF	1741	1782	1823	1864	1905	1946	1988	2029	2070	2112
AG	1617	1655	1693	1731	1769	1807	1846	1884	1922	1961
AH	1509	1545	1580	1616	1651	1687	1722	1758	1794	1830
AI	1393	1426	1458	1491	1524	1557	1590	1623	1656	1689
AJ	1275	1305	1335	1365	1395	1425	1456	1486	1516	1546
AK	1176	1203	1231	1259	1286	1314	1342	1370	1398	1426
AL	1091	1116	1142	1168	1193	1219	1245	1271	1297	1323
AM	1017	1041	1065	1089	1113	1137	1161	1185	1209	1233

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

	REQUIREMENTS		CONTINUED								
AN	953	975	998	1020	1043	1065	1088	1110	1133	1156	
AP	896	917	938	960	981	1002	1023	1044	1066	1087	

SESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL OFFICE - 10

SRI = 21 DAYS - CENTRAL OFFICE

CAT	61	62	63	64	65	66	67	68	69	70
B										
C										
D										
E										
F										
G										
H										
I										
J										
K										
L										
M										
N										
P										
Q										
R										
S										

B
C
D
E
F
G
H
I
J
K
L
M
N
P
Q
R
S

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED									
T									
U									
V	5742	5853	5964						
W	5332	5435	5538	5641	5744	5847	5951		
X	4868	4962	5056	5150	5244	5339	5433	5528	5623
Y	4479	4565	4652	4738	4825	4912	4999	5086	5173
Z	3999	4076	4153	4230	4308	4385	4463	4541	4619
AA	3499	3566	3634	3702	3769	3837	3905	3973	4041
AB	3110	3170	3230	3290	3350	3411	3471	3532	3592
AC	2799	2853	2907	2961	3015	3070	3124	3178	3233
AD	2545	2594	2643	2692	2741	2791	2840	2889	2939
AE	2332	2377	2422	2468	2513	2558	2603	2649	2694
AF	2153	2194	2236	2278	2319	2361	2403	2445	2487
AG	1999	2038	2076	2115	2154	2192	2231	2270	2309
AH	1866	1902	1938	1974	2010	2046	2082	2119	2155
AI	1722	1755	1789	1822	1855	1889	1922	1956	1989
AJ	1577	1607	1638	1688	1699	1729	1760	1790	1821
AK	1454	1482	1510	1538	1566	1594	1623	1651	1679
AL	1349	1375	1401	1427	1453	1479	1505	1531	1558
AM	1258	1282	1306	1331	1355	1379	1404	1428	1453
AN	1178	1201	1224	1247	1269	1292	1315	1338	1361
AP	1108	1130	1151	1172	1194	1215	1237	1258	1280

SRI = 21 DAYS - CENTRAL OFFICE

CAT 71 72 73 74 75 76 77 78 79 80

B
C
D
E

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED

F										
G										
H										
I										
J										
K										
L										
M										
N										
P										
Q										
R										
S										
T										
U										
V										
W										
X	5812	5908								
Y	5347	5435	5610	5698	5786	5874	5962			
Z	4774	4853	4931	5009	5087	5166	5244	5323	5402	5480
AA	4178	4246	4314	4383	4451	4520	4589	4657	4726	4795
AB	3713	3774	3835	3896	3957	4018	4079	4140	4201	4262
AC	3342	3397	3451	3506	3561	3616	3671	3726	3781	3836
AD	3038	3088	3138	3187	3237	3287	3337	3387	3437	3487
AE	2785	2830	2876	2922	2967	3013	3059	3105	3151	3197
AF	2571	2613	2655	2697	2739	2781	2824	2866	2908	2951
AG	2387	2426	2465	2504	2543	2583	2622	2661	2701	2740
AH	2228	2264	2301	2337	2374	2410	2447	2484	2520	2557
AI	2056	2090	2124	2157	2191	2225	2259	2293	2327	2360
AJ	1883	1913	1944	1975	2006	2037	2068	2099	2130	2161
AK	1736	1764	1793	1821	1850	1878	1907	1935	1964	1993
AL	1610	1637	1663	1689	1716	1742	1769	1795	1822	1848
AM	1502	1526	1551	1576	1600	1625	1650	1674	1699	1724
AN	1407	1430	1453	1476	1499	1522	1545	1568	1592	1615
AP	1323	1345	1367	1388	1410	1432	1453	1475	1497	1519

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED

SESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL OFFICE - 11

SRI = 28 DAYS - CENTRAL OFFICE

CAT	1	2	3	4	5	6	7	8	9	10
B	69	498	1522	2976	4691					
C	23	166	507	992	1563	2199	2884	3608	4365	5149
D	13	99	304	595	938	1319	1730	2164	2619	3089
E	9	71	217	425	670	942	1236	1546	1870	2206
F	7	55	169	330	521	733	961	1202	1455	1716
G	6	45	138	270	426	599	786	984	1190	1404
H	5	38	117	228	360	507	665	832	1007	1188
I	4	33	101	198	312	439	576	721	873	1029
J	4	29	89	175	275	388	508	636	770	908
K	3	26	80	156	246	347	455	569	689	813
L	3	23	72	141	223	314	412	515	623	735
M	3	21	66	129	203	286	376	470	569	671
N	2	19	60	119	187	263	346	432	523	617
P	2	18	56	110	173	244	320	400	485	572
Q	2	17	52	102	161	227	298	373	451	532
R	2	16	49	96	151	212	279	349	422	498
S	2	15	46	90	142	199	262	328	396	468
T	1	14	43	85	134	188	247	309	374	441
U	1	13	41	80	126	178	233	292	353	417
V	1	12	39	76	120	169	221	277	335	396
W	1	11	36	70	111	157	206	257	311	367
X	1	10	33	64	101	143	188	235	284	335
Y	1	9	30	59	93	131	173	216	261	308
Z	1	8	27	53	83	117	154	193	233	275
AA	1	7	23	46	73	103	135	169	204	241
AB	1	6	21	41	65	91	120	150	181	214
AC	1	6	19	37	58	82	108	135	163	193
AD	1	5	17	33	53	74	98	123	148	175
AE	1	5	15	31	48	68	90	112	136	160
AF	1	4	14	28	45	63	83	104	125	148
AG	1	4	13	26	41	58	77	96	116	137
AH	1	4	12	24	39	54	72	90	109	128
AI	1	3	11	22	36	50	66	83	100	118
AJ	1	3	10	20	33	46	60	76	92	108

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

	REQUIREMENTS		CONTINUED							
AK	1	3	9	19	30	42	56	70	85	100
AL	1	3	9	17	28	39	52	65	78	93
AM	1	2	8	16	26	37	48	60	73	86
AN	1	2	8	15	24	34	45	56	68	81
AP	1	2	7	14	23	32	42	53	64	76

SRI = 28 DAYS - CENTRAL OFFICE

CAT 11 12 13 14 15 16 17 18 19 20

B										
C	5956									
D	3574	4070	4578	5095	5621					
E	2552	2907	3270	3639	4015	4396	4782	5172	5567	5966
F	1985	2261	2543	2830	3122	3419	3719	4023	4330	4640
G	1624	1850	2081	2316	2555	2797	3043	3291	3542	3796
H	1374	1565	1760	1959	2161	2367	2574	2785	2997	3212
I	1191	1356	1526	1698	1873	2051	2231	2413	2598	2784
J	1051	1197	1346	1498	1653	1810	1969	2129	2292	2456
K	940	1071	1204	1340	1479	1619	1761	1905	2051	2198
L	850	969	1090	1213	1338	1465	1594	1724	1855	1988
M	776	884	995	1107	1221	1337	1455	1574	1694	1815
N	714	814	915	1019	1124	1230	1338	1448	1558	1670
P	661	753	847	943	1040	1139	1239	1341	1443	1546
Q	616	701	789	878	969	1061	1154	1248	1343	1440
R	576	656	738	821	906	992	1079	1168	1257	1347
S	541	616	693	772	851	932	1014	1097	1180	1265
T	510	581	654	727	803	879	956	1034	1113	1193
U	482	550	618	688	759	831	904	978	1053	1128
V	458	521	586	653	720	789	858	928	999	1070
W	425	484	545	606	669	732	797	862	927	994
X	388	442	497	553	610	668	727	787	847	907
Y	357	407	457	509	562	615	669	724	779	835

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

	REQUIREMENTS		CONTINUED							
Z	319	363	408	454	501	549	597	646	695	745
AA	279	318	357	398	439	480	523	565	608	652
AB	248	282	317	353	390	427	464	502	541	580
AC	223	254	286	318	351	384	418	452	487	522
AD	203	231	260	289	319	349	380	411	442	474
AE	186	212	238	265	292	320	348	377	405	435
AF	171	195	220	244	270	295	321	348	374	401
AG	159	181	204	227	250	274	298	323	347	372
AH	148	169	190	212	234	256	278	301	324	348
AI	137	156	176	195	216	236	257	278	299	321
AJ	125	143	161	179	197	216	235	254	274	294
AK	116	132	148	165	182	199	217	235	253	271
AL	107	122	137	153	169	185	201	218	234	251
AM	100	114	128	143	157	172	188	203	218	234
AN	94	107	120	134	147	161	176	190	205	219
AP	88	100	113	126	139	152	165	179	192	206

SESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL OFFICE - 12

SRI = 28 DAYS - CENTRAL OFFICE

CAT 21 22 23 24 25 26 27 28 29 30

B
C
D

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED										
E										
F	4953	5268	5586	5906						
G	4052	4310	4570	4832	5096	5362	5629	5897		
H	3429	3647	3867	4089	4312	4537	4763	4990	5218	5447
I	2971	3161	3352	3544	3737	3932	4127	4324	4522	4721
J	2622	2789	2957	3127	3297	3469	3642	3815	3990	4165
K	2346	2495	2646	2798	2950	3104	3258	3414	3570	3727
L	2122	2258	2394	2531	2669	2808	2948	3089	3230	3372
M	1938	2061	2186	2311	2437	2564	2692	2820	2949	3079
N	1783	1896	2011	2126	2242	2359	2476	2594	2713	2832
P	1651	1756	1862	1968	2076	2184	2293	2402	2512	2622
Q	1537	1635	1733	1833	1933	2033	2135	2236	2339	2442
R	1438	1529	1621	1714	1808	1902	1997	2092	2188	2284
S	1350	1436	1523	1610	1698	1787	1876	1965	2055	2146
T	1273	1354	1436	1518	1601	1685	1769	1853	1938	2023
U	1204	1281	1358	1436	1515	1594	1673	1753	1833	1914
V	1143	1215	1289	1363	1437	1512	1587	1663	1739	1815
W	1061	1129	1197	1265	1334	1404	1474	1544	1615	1686
X	969	1030	1093	1155	1218	1282	1346	1410	1474	1539
Y	891	948	1005	1063	1121	1179	1238	1297	1356	1416
Z	796	846	897	949	1001	1053	1105	1158	1211	1264
AA	696	740	785	830	875	921	967	1013	1059	1106
AB	619	658	698	738	778	819	859	900	942	983
AC	557	592	628	664	700	737	773	810	847	885
AD	506	538	571	604	637	670	703	737	770	804
AE	464	493	523	553	583	614	644	675	706	737
AF	428	455	483	511	539	567	595	623	652	680
AG	398	423	448	474	500	526	552	579	605	632
AH	371	395	419	443	467	491	515	540	565	590
AI	342	364	386	408	431	453	476	499	521	544
AJ	313	333	354	374	394	415	436	456	477	498
AK	289	307	326	345	364	383	402	421	440	459
AL	268	285	302	320	337	355	373	390	408	426
AM	250	266	282	298	314	331	347	364	381	397
AN	234	249	264	279	295	310	325	341	357	372
AP	220	234	248	263	277	291	306	321	335	350

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED

SRI = 28 DAYS - CENTRAL OFFICE

CAT	31	32	33	34	35	36	37	38	39	40
B										
C										
D										
E										
F										
G										
H	5678	5909								
I	4921	5121	5323	5525	5728	5931				
J	4342	4519	4696	4875	5054	5234	5414	5595	5776	5958
K	3885	4043	4202	4362	4522	4683	4844	5006	5168	5331
L	3515	3658	3802	3946	4091	4237	4383	4529	4676	4823
M	3209	3340	3471	3603	3735	3868	4001	4135	4269	4404
N	2952	3073	3193	3315	3436	3559	3681	3804	3928	4052
P	2733	2845	2957	3069	3182	3295	3409	3523	3637	3751
Q	2545	2649	2753	2857	2962	3068	3173	3280	3386	3493
R	2381	2478	2575	2673	2771	2870	2969	3068	3167	3267
S	2236	2328	2419	2511	2603	2696	2789	2882	2975	3069
T	2109	2195	2281	2367	2454	2542	2629	2717	2805	2894
U	1995	2076	2158	2239	2322	2404	2487	2570	2654	2737
V	1892	1969	2047	2125	2203	2281	2360	2439	2518	2597
W	1757	1829	1901	1973	2045	2118	2191	2264	2338	2411
X	1604	1670	1735	1801	1867	1934	2000	2067	2134	2202
Y	1467	1536	1596	1657	1718	1779	1840	1902	1964	2026
Z	1318	1371	1425	1479	1534	1588	1643	1698	1753	1808
AA	1153	1200	1247	1294	1342	1390	1438	1486	1534	1582
AB	1025	1067	1108	1151	1193	1235	1278	1321	1363	1406
AC	992	960	998	1035	1074	1112	1150	1189	1227	1266
AD	838	873	907	941	976	1011	1045	1080	1115	1151
AE	768	800	831	863	895	926	958	990	1022	1055
AF	709	738	767	796	826	855	885	914	944	974
AG	659	685	712	739	767	794	821	849	876	904
AH	615	640	665	690	716	741	767	792	818	844
AI	567	590	614	637	660	684	708	731	755	779
AJ	519	541	562	583	605	626	648	669	691	713
AK	479	498	518	538	557	577	597	617	637	657
AL	444	462	481	499	517	536	554	573	591	610
AM	414	431	448	465	482	499	517	534	551	569
AN	388	404	420	436	452	468	484	500	516	533
AP	365	380	395	410	425	440	455	470	486	501

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED

SESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL OFFICE - 13

SRI = 28 DAYS - CENTRAL OFFICE

CAT	41	42	43	44	45	46	47	48	49	50
B										
C										
D										
E										
F										
G										
H										
I										
J										
K	5495	5658	5823	5987						
L	4971	5119	5268	5417	5566	5716	5866			
M	4539	4674	4810	4946	5082	5219	5356	5493	5631	5769
N	4176	4300	4425	4550	4676	4801	4928	5054	5180	5307
P	3866	3982	4097	4213	4329	4446	4562	4679	4797	4914
Q	3600	3707	3815	3923	4031	4139	4248	4357	4466	4575
R	3367	3468	3569	3669	3771	3872	3974	4076	4178	4280
S	3163	3258	3352	3447	3542	3637	3733	3829	3924	4021

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

	REQUIREMENTS		CONTINUED							
T	2983	3071	3161	3250	3340	3429	3520	3610	3700	3791
U	2821	2905	2990	3074	3159	3244	3329	3415	3500	3586
V	2677	2756	2836	2917	2997	3078	3158	3239	3321	3402
W	2485	2559	2634	2708	2783	2858	2933	3008	3083	3159
X	2269	2337	2405	2473	2541	2609	2678	2746	2815	2884
Y	2088	2150	2212	2275	2338	2400	2464	2527	2590	2653
Z	1864	1919	1975	2031	2087	2143	2200	2256	2312	2369
AA	1631	1679	1728	1777	1826	1875	1925	1974	2023	2073
AB	1450	1493	1536	1580	1623	1667	1711	1754	1798	1842
AC	1305	1343	1382	1422	1461	1500	1540	1579	1619	1658
AD	1186	1221	1257	1292	1328	1364	1400	1435	1471	1507
AE	1087	1119	1152	1185	1217	1250	1283	1316	1349	1382
AF	1003	1033	1063	1093	1124	1154	1184	1214	1245	1275
AG	932	959	987	1015	1043	1071	1100	1128	1156	1184
AH	870	895	921	948	974	1000	1026	1052	1079	1105
AI	803	827	851	875	899	923	947	971	996	1020
AJ	735	757	779	801	823	845	867	889	912	934
AK	677	698	718	738	759	779	800	820	841	861
AL	628	647	666	685	704	723	742	761	780	799
AM	586	604	621	639	656	674	692	709	727	745
AN	549	565	582	598	615	631	648	665	681	698
AP	516	532	547	563	578	594	609	625	641	656

SRI = 28 DAYS - CENTRAL OFFICE

CAT 51 52 53 54 55 56 57 58 59 60

B
C
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E
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G

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED										
H										
I										
J										
K										
L										
M	5907									
N	5434	5562	5689	5817	5945					
P	5032	5150	5268	5386	5505	5624	5743	5862	5981	
Q	4685	4795	4905	5015	5125	5236	5347	5458	5569	5680
R	4383	4485	4588	4691	4795	4898	5002	5106	5209	5314
S	4117	4213	4310	4407	4504	4601	4699	4796	4894	4992
T	3882	3973	4064	4155	4247	4338	4430	4522	4614	4706
U	3672	3758	3844	3930	4017	4104	4191	4278	4365	4452
V	3483	3565	3647	3729	3811	3893	3976	4058	4141	4224
W	3235	3310	3386	3462	3539	3615	3692	3768	3845	3922
X	2953	3023	3092	3161	3231	3301	3371	3441	3511	3581
Y	2717	2781	2844	2908	2972	3037	3101	3165	3230	3294
Z	2426	2483	2540	2597	2654	2711	2769	2826	2884	2941
AA	2123	2172	2222	2272	2322	2372	2422	2473	2523	2574
AB	1887	1931	1975	2020	2064	2109	2153	2198	2243	2288
AC	1698	1738	1778	1818	1858	1898	1938	1978	2018	2059
AD	1544	1580	1616	1652	1689	1725	1762	1798	1835	1872
AE	1415	1448	1481	1515	1548	1581	1615	1648	1682	1716
AF	1306	1337	1367	1398	1429	1460	1491	1521	1552	1584
AG	1213	1241	1270	1298	1327	1355	1384	1413	1442	1470
AH	1132	1158	1185	1212	1238	1265	1292	1319	1345	1372
AI	1045	1069	1094	1118	1143	1168	1192	1217	1242	1267
AJ	956	979	1001	1024	1046	1069	1092	1114	1137	1160
AK	882	902	923	944	965	986	1006	1027	1048	1069
AL	818	837	856	876	895	914	934	953	972	992
AM	763	781	799	817	835	853	871	889	907	925
AN	715	731	748	765	782	799	816	833	850	867
AP	672	688	704	720	735	751	767	783	799	815

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED

SESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL OFFICE - 14

SRI = 28 DAYS - CENTRAL OFFICE

CAT	61	62	63	64	65	66	67	68	69	70
B										
C										
D										
E										
F										
G										
H										
I										
J										
K										
L										
M										
N										
P										
Q	5792	5903								
R	5418	5522	5627	5732	5837	5942				
S	5090	5188	5286	5384	5483	5582	5680	5779	5878	5977
T	4799	4891	4984	5077	5170	5263	5356	5449	5542	5636
U	4539	4627	4714	4802	4890	4978	5066	5154	5243	5331
V	4306	4389	4473	4556	4639	4723	4806	4890	4974	5058
W	3999	4076	4153	4230	4308	4385	4463	4541	4619	4696
X	3651	3721	3792	3863	3933	4004	4075	4146	4217	4288
Y	3359	3424	3489	3553	3619	3684	3749	3814	3879	3945
Z	2999	3057	3115	3173	3231	3289	3347	3405	3464	3522
AA	2624	2675	2725	2776	2827	2878	2929	2980	3031	3082
AB	2332	2377	2422	2468	2513	2558	2603	2649	2694	2739
AC	2099	2140	2180	2221	2261	2302	2343	2384	2424	2465
AD	1908	1945	1982	2019	2056	2093	2130	2167	2204	2241
AE	1749	1783	1817	1851	1884	1918	1952	1986	2020	2054
AF	1615	1646	1677	1708	1739	1771	1802	1833	1865	1896
AG	1499	1528	1557	1586	1615	1644	1673	1702	1732	1761
AH	1399	1426	1453	1480	1507	1535	1562	1589	1616	1643
AI	1292	1316	1341	1366	1391	1416	1442	1467	1492	1517
AJ	1182	1205	1228	1251	1274	1297	1320	1343	1366	1389

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

	REQUIREMENTS		CONTINUED							
AK	1090	1111	1132	1153	1175	1196	1217	1238	1259	1280
AL	1011	1031	1050	1070	1090	1109	1129	1148	1168	1188
AM	943	961	980	998	1016	1034	1053	1071	1089	1108
AN	884	901	918	935	952	969	986	1003	1021	1038
AP	831	847	863	879	895	911	928	944	960	976

SRI = 28 DAYS - CENTRAL OFFICE

CAT 71 72 73 74 75 76 77 78 79 80

B
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M
N
P
Q
R
S

T	5729	5823	5917							
U	5420	5508	5597	5686	5775	5864	5953			
V	5142	5226	5310	5394	5479	5563	5648	5732	5817	5902
W	4774	4853	4931	5009	5087	5166	5244	5323	5402	5480

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

	REQUIREMENTS		CONTINUED							
X	4359	4431	4502	4573	4645	4717	4788	4860	4932	5004
Y	4010	4076	4142	4207	4273	4339	4405	4471	4537	4603
Z	3581	3639	3698	3757	3815	3874	3933	3992	4051	4110
AA	3133	3184	3236	3287	3338	3390	3441	3493	3545	3596
AB	2785	2830	2876	2922	2967	3013	3059	3105	3151	3197
AC	2506	2547	2588	2629	2671	2712	2753	2794	2836	2877
AD	2278	2316	2353	2390	2428	2465	2503	2540	2578	2615
AE	2089	2123	2157	2191	2225	2260	2294	2328	2363	2397
AF	1928	1959	1991	2023	2054	2086	2118	2149	2181	2213
AG	1790	1819	1849	1878	1907	1937	1966	1996	2025	2055
AH	1671	1698	1725	1753	1780	1808	1835	1863	1890	1918
AI	1542	1567	1593	1618	1643	1669	1694	1719	1745	1770
AJ	1412	1435	1458	1481	1504	1528	1551	1574	1597	1621
AK	1302	1323	1344	1366	1387	1408	1430	1451	1473	1494
AL	1208	1227	1247	1267	1287	1307	1326	1346	1366	1386
AM	1126	1145	1163	1182	1200	1219	1237	1256	1274	1293
AN	1055	1072	1090	1107	1124	1142	1159	1176	1194	1211
AP	992	1009	1025	1041	1057	1074	1090	1106	1123	1139

SESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL OFFICE - 15

SRI = 28 DAYS - CENTRAL OFFICE

CAT 81 82 83 84 85 86 87 88 89 90

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS		CONTINUED								
B										
C										
D										
E										
F										
G										
H										
I										
J										
K										
L										
M										
N										
P										
Q										
R										
S										
T										
U										
V	5987									
W	5559	5638	5717	5796	5875	5954				
X	5076	5148	5220	5292	5364	5437	5509	5581	5654	5726
Y	4670	4736	4802	4869	4935	5002	5068	5135	5201	5268
Z	4169	4228	4288	4347	4406	4466	4525	4585	4644	4704
AA	3648	3700	3752	3803	3855	3907	3959	4011	4064	4116
AB	3243	3289	3335	3381	3427	3473	3519	3566	3612	3658
AC	2918	2960	3001	3043	3084	3126	3167	3209	3251	3292
AD	2653	2691	2728	2766	2804	2842	2879	2917	2955	2993
AE	2432	2466	2501	2535	2570	2605	2639	2674	2709	2744
AF	2245	2277	2308	2340	2372	2404	2436	2468	2500	2533
AG	2084	2114	2144	2173	2203	2233	2262	2292	2322	2352
AH	1945	1973	2001	2028	2056	2084	2111	2139	2167	2195
AI	1796	1821	1847	1872	1898	1923	1949	1948	2000	2026
AJ	1644	1667	1691	1714	1737	1761	1784	1808	1831	1855
AK	1516	1537	1559	1580	1602	1624	1645	1667	1688	1710
AL	1406	1426	1446	1466	1486	1506	1526	1546	1566	1586
AM	1311	1330	1349	1367	1386	1405	1423	1442	1461	1479
AN	1228	1246	1263	1281	1298	1316	1333	1351	1368	1386
AP	1155	1172	1188	1205	1221	1238	1254	1271	1287	1304

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED

SRI = 28 DAYS - CENTRAL OFFICE

CAT	91	92	93	94	95	96	97	98	99	100
B										
C										
D										
E										
F										
G										
H										
I										
J										
K										
L										
M										
N										
P										
Q										
R										
S										
T										
U										
V										
W										
X	5799	5872	5944							
Y	5335	5402	5469	5536	5603	5670	5737	5804	5871	5938
Z	4763	4823	4883	4924	5002	5062	5122	5182	5242	5302
AA	4168	4220	4272	4325	4377	4429	4428	4534	4587	4639
AB	3705	3751	3798	2844	3891	3937	3984	1030	4077	4124
AC	3334	3376	3418	3460	3501	3543	3585	3627	3669	3711
AD	3031	3069	3107	3145	3183	3221	3259	3297	3336	3374
AE	2778	2813	2848	2883	2918	2953	2988	3023	3058	3093
AF	2565	2597	2629	2661	2693	2726	2758	2790	2822	2855
AG	2381	2411	2441	2471	2501	2531	2561	2591	2621	2651
AH	2223	2250	2278	2306	2334	2362	2390	2418	2446	2474
AI	2052	2077	2103	2129	2155	2180	2206	2232	2258	2284
AJ	1878	1902	1925	1949	1972	1996	2020	2043	2067	2091

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

	REQUIREMENTS		CONTINUED							
AK	1732	1753	1775	1797	1819	1840	1862	1884	1906	1928
AL	1607	1627	1647	1667	1687	1707	1728	1748	1768	1788
AM	1498	1517	1536	1555	1573	1592	1611	1630	1649	1668
AN	1404	1421	1439	1456	1474	1492	1509	1527	1545	1562
AP	1320	1337	1353	1370	1386	1403	1420	1436	1453	1469

SESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL STOCK

SRI = 1 DAY - CENTRAL STOCK

CAT	2	3	4	5	6	7	8	9	10
B									
C									
D									
E	7631								
F	5935								
G	4856								
H	4109	8544							
I	3561	7405							
J	3142	6534							
K	2811	5846	9295						
L	2543	5289	8409						
M	2322	4829	7678						
N	2136	4443	7064	9885					
P	1978	4114	6540	9153					
Q	1842	3830	6089	8522					
R	1723	3583	5696	7972					
S	1618	3366	5351	7489	9733				

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS	CONTINUED									
T	1526	3173	5045	7061	9177					
U	1443	3002	4773	6679	8681					
V	1369	2848	4528	6336	8236					
W	1271	2644	4204	5884	7648	9475				
X	1161	2414	3839	5372	6983	8651				
Y	1068	2221	3532	4942	6424	7959	9537			
Z	953	1983	3153	4413	5736	7106	8515	9954		
AA	834	1735	2759	3861	5019	6218	7450	8710	9991	
AB	741	1542	2452	3432	4461	5527	6622	7742	8881	
AC	667	1388	2207	3089	4015	4974	5860	6968	7993	
AD	607	1262	2006	2808	3650	4522	5418	6334	7266	
AE	559	1157	1839	2574	3346	4145	4967	5806	6661	
AF	513	1068	1698	2376	3088	3826	4585	5360	6148	
AG	476	991	1576	2206	2868	3553	4257	4977	5709	
AH	445	925	1471	2059	2676	3316	3973	4645	5329	
AI	410	854	1358	1901	2470	3061	3668	4288	4919	
AJ	376	782	1243	1740	2262	2802	3358	3925	4503	
AK	346	721	1146	1604	2085	2584	3096	3619	4152	
AL	321	669	1063	1488	1935	2397	2872	3358	3852	
AM	300	624	992	1388	1804	2235	2678	3131	3592	
AN	281	584	929	1300	1690	2094	2509	2933	3365	
AP	264	549	874	1223	1590	1970	2360	2759	3165	

SESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL STOCK - 2

SRI = 7 DAYS - CENTRAL STOCK

CAT	2	3	4	5	6	7	8	9	10
B	7631								
C	2543	5289	8409						

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS	CONTINUED									
D	1526	3173	5045	7061	9177					
E	1090	2266	3604	5043	6555	8122	9731			
F	847	1763	2803	3922	5098	6317	7569	8848		
G	693	1442	2293	3209	4171	5168	6192	7239	8304	
H	587	1220	1940	2715	3529	4373	5240	6125	7027	
I	508	1057	1681	2353	3059	3790	4541	5309	6090	
J	448	933	1484	2076	2699	3344	4007	4684	5373	
K	401	835	1327	1858	2415	2992	3585	4191	4808	
L	363	755	1201	1681	2185	2707	3243	3792	4350	
M	331	689	1096	1535	1995	2471	2961	3462	3971	
N	305	634	1009	1412	1835	2274	2724	3185	3654	
P	282	587	934	1307	1699	2105	2523	2949	3383	
Q	263	547	869	1217	1582	1960	2349	2746	3150	
R	246	511	813	1138	1480	1834	2197	2568	2946	
S	231	480	764	1069	1390	1722	2064	2413	2768	
T	218	453	720	1008	1311	1624	1946	2275	2610	
U	206	428	681	954	1240	1536	1841	2152	2469	
V	195	406	646	905	1176	1457	1746	2041	2342	
W	181	377	600	840	1092	1353	1621	1896	2175	
X	165	344	548	767	997	1235	1480	1731	1985	
Y	152	317	504	706	917	1137	1362	1592	1827	
Z	136	283	450	630	819	1015	1216	1422	1631	
AA	119	247	394	551	717	888	1064	1244	1427	
AB	105	220	350	490	637	789	946	1106	1268	
AC	95	198	315	441	573	710	851	995	1141	
AD	86	180	286	401	521	646	774	904	1038	
AE	79	165	262	367	478	592	709	829	951	
AF	73	152	242	339	441	546	655	765	878	
AG	68	141	225	315	409	507	608	711	815	
AH	63	132	210	294	382	473	567	663	761	
AI	58	122	194	271	352	437	524	612	702	
AJ	53	111	177	248	323	400	479	560	643	
AK	49	103	163	229	297	369	442	517	593	
AL	45	95	151	212	276	342	410	479	550	
AM	42	89	141	198	257	319	382	447	513	
AN	40	83	132	185	241	299	358	419	480	
AP	37	78	124	174	227	281	337	394	452	

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED

SRI = 7 DAYS - CENTRAL STOCK

CAT	11	12	13	14	15	16	17	18	19	20
B										
C										
D										
E										
F										
G	9386									
H	7942	8868	9805							
I	6883	7686	8498	9318						
J	6073	6782	7498	8221	8951	9686				
K	5434	6068	6709	7356	8009	8666	9328	9995		
L	4916	5490	6070	6655	7246	7841	8440	9043	9649	
M	4489	5012	5542	6076	6616	7159	7706	8257	8810	9367
N	4129	4611	5098	5590	6086	6586	7090	7596	8105	8617
P	3824	4270	4721	5176	5636	6098	6564	7033	7505	7979
Q	3560	3975	4395	4819	5247	5678	6112	6548	6987	7429
R	3330	3719	4112	4508	4908	5311	5717	6126	6536	6949
S	3128	3493	3862	4235	4611	4989	5371	5754	6140	6528
T	2949	3294	3642	3993	4347	4704	5064	5426	5789	6155
U	2790	3116	3445	3777	4112	4450	4790	5132	5476	5822
V	2647	2956	3268	3583	3901	4222	4544	4869	5195	5524
W	2458	2745	3035	3327	3623	3920	4220	4521	4824	5129
X	2244	2506	2771	3038	3308	3579	3853	4128	4405	4683
Y	2064	2305	2549	2795	3043	3293	3545	3798	4052	4308
Z	1843	2058	2276	2495	2717	2940	3165	3391	3618	3847
AA	1613	1801	1991	2183	2377	2572	2769	2967	3166	3366
AB	1434	1601	1770	1941	2113	2287	2461	2637	2814	2992
AC	1290	1441	1593	1747	1902	2058	2215	2373	2533	2693
AD	1173	1310	1448	1588	1729	1871	2014	2158	2302	2448
AE	1075	1200	1327	1455	1585	1715	1846	1978	2110	2244
AF	992	1108	1225	1343	1463	1583	1704	1826	1948	2071
AG	921	1029	1138	1247	1358	1470	1582	1695	1809	1923
AH	860	960	1062	1164	1268	1372	1477	1582	1688	1795
AI	794	886	980	1075	1170	1266	1363	1460	1558	1657
AJ	727	811	897	984	1071	1159	1248	1337	1427	1517
AK	670	748	827	907	988	1069	1150	1233	1315	1398
AL	621	694	767	841	916	991	1067	1144	1220	1297
AM	580	647	716	785	854	925	995	1066	1138	1210

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS	CONTINUED										
AN	543	606	670	735	800	866	932	999	1066	1133	
AP	511	570	631	691	753	815	877	940	1003	1066	

SESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL STOCK - 3

SRI = 7 DAYS - CENTRAL STOCK

CAT	21	22	23	24	25	26	27	28	29	30
B										
C										
D										
E										
F										
G										
H										
I										
J										
K										
L										
M	9926									
N	9132	9648								
P	8455	8934	9414	9896						
Q	7872	8317	8765	9214	9664					
R	7364	7781	8199	8619	9041	9464	9888			
S	6918	7309	7702	8097	8493	8890	9288	9688		
T	6522	6891	7262	7634	8007	8382	8758	9135	9512	9891
U	6170	6519	6869	7221	7575	7929	8284	8641	8998	9357

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS	CONTINUED									
V	5853	6185	6517	6851	7186	7522	7859	8198	8537	8877
W	5435	5743	6052	6362	6673	6985	7298	7612	7927	8243
X	4963	5243	5525	5808	6092	6377	6663	6950	7238	7526
Y	4566	4824	5083	5344	5605	5867	6130	6394	6659	6924
Z	4076	4307	4539	4771	5004	5239	5473	5709	5945	6182
AA	3567	3769	3971	4175	4379	4584	4789	4995	5202	5409
AB	3170	3350	3530	3711	3892	4074	4257	4440	4624	4808
AC	2853	3015	3177	3340	3503	3667	3831	3996	4161	4327
AD	2594	2741	2888	3036	3184	3333	3483	3633	3783	3934
AE	2378	2512	2647	2783	2919	3056	3193	3330	3468	3606
AF	2195	2319	2444	2569	2694	2821	2947	3074	3201	3328
AG	2038	2153	2269	2385	2502	2619	2736	2854	2972	3091
AH	1902	2010	2118	2226	2335	2444	2554	2664	2774	2885
AI	1756	1855	1955	2055	2155	2256	2357	2459	2561	2663
AJ	1607	1698	1790	1881	1973	2066	2158	2251	2344	2438
AK	1482	1566	1650	1735	1819	1905	1990	2076	2162	2248
AL	1375	1453	1531	1609	1688	1767	1846	1926	2005	2085
AM	1282	1355	1428	1501	1574	1648	1722	1796	1870	1945
AN	1201	1269	1337	1406	1475	1544	1613	1682	1752	1822
AP	1130	1194	1258	1322	1387	1452	1517	1582	1648	1713

SRI = 7 DAYS - CENTRAL STOCK

CAT	31	32	33	34	35	36	37	38	39	40
B										
C										
D										
E										
F										
G										
H										

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED

I											
J											
K											
L											
M											
N											
P											
Q											
R											
S											
T											
U	9716										
V	9218	9559	9902								
W	8559	8877	9195	9513	9833						
X	7815	8105	8395	8686	8978	9270	9562	9856			
Y	7190	7456	7723	7991	8259	8528	8797	9067	9337	9608	
Z	6419	6657	6896	7135	7374	7614	7855	8096	8337	8579	
AA	5617	5825	6034	6243	6453	6662	6873	7084	7295	7506	
AB	4993	5178	5363	5549	5736	5922	6109	6297	6484	6672	
AC	4493	4660	4827	4994	5162	5330	5498	5667	5836	6005	
AD	4085	4236	4388	4540	4693	4845	4998	5152	5305	5459	
AE	3744	3883	4022	4162	4302	4441	4582	4722	4863	5004	
AF	3456	3584	3713	3842	3971	4100	4229	4359	4489	4619	
AG	3209	3328	3448	3567	3687	3807	3927	4048	4168	4289	
AH	2995	3106	3218	3329	3441	3553	3665	3778	3890	4003	
AI	2765	2867	2970	3073	3176	3280	3383	3487	3591	3695	
AJ	2531	2625	2719	2813	2908	3003	3097	3192	3288	3383	
AK	2334	2421	2507	2594	2681	2769	2856	2944	3031	3119	
AL	2165	2246	2326	2407	2487	2568	2649	2731	2812	2894	
AM	2019	2094	2169	2244	2320	2395	2471	2547	2623	2699	
AN	1892	1962	2032	2103	2173	2244	2315	2386	2457	2528	
AP	1779	1845	1911	1978	2044	2111	2177	2244	2311	2378	

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

| REQUIREMENTS CONTINUED |

SESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL STOCK - 4

SRI = 14 DAYS - CENTRAL STOCK

CAT	2	3	4	5	6	7	8	9	10
B	3815	7934							
C	1271	2644	4204	5884	7648	9475			
D	763	1586	2522	3530	4588	5685	6812	7963	9135
E	545	1133	1802	2521	3277	4061	4865	5688	6525
F	423	881	1401	1961	2549	3158	3784	4424	5075
G	346	721	1146	1604	2085	2584	3096	3619	4152
H	293	610	970	1357	1764	2186	2620	3062	3513
I	254	528	840	1176	1529	1895	2270	2654	3045
J	224	466	742	1038	1349	1672	2003	2342	2686
K	200	417	663	929	1207	1496	1792	2095	2404
L	181	377	600	840	1092	1353	1621	1896	2175
M	165	344	548	767	997	1235	1480	1731	1985
N	152	317	504	706	917	1137	1362	1592	1827
P	141	293	467	653	849	1052	1261	1474	1691
Q	131	273	434	608	791	980	1174	1373	1575
R	123	255	406	569	740	917	1098	1284	1473
S	115	240	382	534	695	861	1032	1206	1384
T	109	226	360	504	655	812	973	1137	1305
U	103	214	340	477	620	768	920	1076	1234
V	97	203	323	452	588	728	873	1020	1171
W	90	188	300	420	546	676	810	948	1087
X	82	172	274	383	498	617	740	865	992
Y	76	158	252	353	458	568	681	796	913
Z	68	141	225	315	409	507	608	711	815
AA	59	123	197	275	358	444	532	622	713
AB	52	110	175	245	318	394	473	553	634
AC	47	99	157	220	286	355	425	497	570
AD	43	90	143	200	260	323	387	452	519
AE	39	82	131	183	239	296	354	414	475
AF	36	76	121	169	220	273	327	382	439

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS	CONTINUED								
AG	34	70	112	157	204	253	304	355	407
AH	31	66	105	147	191	236	283	331	380
AI	29	61	97	135	176	218	262	306	351
AJ	26	55	88	124	161	200	239	280	321
AK	24	51	81	114	148	184	221	258	296
AL	22	47	75	106	138	171	205	239	275
AM	21	44	70	99	128	159	191	223	256
AN	20	41	66	92	120	149	179	209	240
AP	18	39	62	87	113	140	168	197	226

SRI = 14 DAYS - CENTRAL STOCK

CAT	11	12	13	14	15	16	17	18	19	20
B										
C										
D										
E	7374	8235	9105	9983						
F	5736	6405	7081	7765	8454	9148	9847			
G	4693	5240	5794	6353	6916	7484	8056	8632	9211	9792
H	3971	4434	4902	5375	5852	6333	6817	7304	7793	8286
I	3441	3843	4249	4659	5072	5488	5908	6330	6754	7181
J	3036	3391	3749	4110	4475	4843	5213	5585	5960	6336
K	2717	3034	3354	3678	4004	4333	4664	4997	5332	5669
L	2458	2745	3035	3327	3623	3920	4220	4521	4824	5129
M	2244	2506	2771	3038	3308	3579	3853	4128	4405	4683
N	2064	2305	2549	2795	3043	3293	3545	3798	4052	4308
P	1912	2135	2360	2588	2818	3049	3282	3516	3752	3989
Q	1780	1987	2197	2409	2623	2839	3056	3274	3493	3714
R	1665	1859	2056	2254	2454	2655	2858	3063	3268	3474
S	1564	1746	1931	2117	2305	2494	2685	2877	3070	3264
T	1474	1647	1821	1996	2173	2352	2532	2713	2894	3077
U	1395	1558	1722	1888	2056	2225	2395	2566	2738	2911

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS	CONTINUED									
V	1323	1478	1634	1791	1950	2111	2272	2434	2597	2762
W	1229	1372	1517	1663	1811	1960	2110	2260	2412	2564
X	1122	1253	1385	1519	1654	1789	1926	2064	2202	2341
Y	1032	1152	1274	1397	1521	1646	1772	1899	2026	2154
Z	921	1029	1138	1247	1358	1470	1582	1695	1809	1923
AA	806	900	995	1091	1188	1286	1384	1483	1583	1683
AB	717	800	885	970	1056	1143	1230	1318	1407	1496
AC	645	720	796	873	951	1029	1107	1186	1266	1346
AD	586	655	724	794	864	935	1007	1079	1151	1224
AE	537	600	663	727	792	857	923	989	1055	1122
AF	496	554	612	671	731	791	852	913	974	1035
AG	460	514	569	623	679	735	791	847	904	961
AH	430	480	531	582	634	686	738	791	844	897
AI	397	443	490	537	585	633	681	730	779	828
AJ	363	405	448	492	535	579	624	668	713	758
AK	335	374	413	453	494	534	575	616	657	699
AL	310	347	383	420	458	495	533	572	610	648
AM	290	323	358	392	427	462	497	533	569	605
AN	271	303	335	367	400	433	466	499	533	566
AP	255	285	315	345	376	407	438	470	501	533

SESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL STOCK - 5

SRI = 14 DAYS - CENTRAL STOCK

CAT	21	22	23	24	25	26	27	28	29	30
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M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED

B											
C											
D											
E											
F											
G											
H	8780	9277	9776								
I	7610	8040	8472	8906	9342	9779					
J	6714	7094	7476	7859	8243	8628	9015	9403	9792		
K	6007	6347	6689	7031	7375	7720	8066	8413	8761	9110	
L	5435	5743	6052	6362	6673	6985	7298	7612	7927	8243	
M	4963	5243	5525	5808	6092	6377	6663	6950	7238	7526	
N	4566	4824	5083	5344	5605	5867	6130	6394	6659	6924	
P	4227	4467	4707	4948	5190	5433	5676	5920	6165	6411	
Q	3936	4158	4382	4607	4832	5058	5285	5512	5740	5969	
R	3682	3890	4099	4309	4520	4732	4944	5156	5370	5584	
S	3459	3654	3851	4048	4246	4445	4644	4844	5044	5245	
T	3261	3445	3631	3817	4003	4191	4379	4567	4756	4945	
U	3085	3259	3434	3610	3787	3964	4142	4320	4499	4678	
V	2926	3092	3258	3425	3593	3761	3929	4099	4268	4438	
W	2717	2871	3026	3181	3336	3492	3649	3806	3963	4121	
X	2481	2621	2762	2904	3046	3188	3331	3475	3619	3763	
Y	2283	2412	2541	2672	2802	2933	3065	3197	3329	3462	
Z	2038	2153	2269	2385	2502	2619	2736	2854	2972	3091	
AA	1783	1884	1958	2087	2189	2292	2394	2497	2601	2704	
AB	1585	1675	1765	1855	1946	2037	2128	2220	2312	2404	
AC	1426	1507	1588	1670	1751	1833	1915	1998	2080	2163	
AD	1297	1370	1444	1518	1592	1666	1741	1816	1891	1967	
AE	1189	1256	1323	1391	1459	1528	1596	1665	1734	1803	
AF	1097	1159	1222	1284	1347	1410	1473	1537	1600	1664	
AG	1019	1076	1134	1192	1251	1309	1368	1427	1486	1545	
AH	951	1005	1059	1113	1167	1222	1277	1332	1387	1442	
AI	878	927	977	1027	1077	1128	1178	1229	1280	1331	
AJ	803	849	895	940	986	1033	1079	1125	1172	1219	
AK	741	783	825	867	909	952	995	1038	1081	1124	
AL	687	726	765	804	844	883	923	963	1002	1042	
AM	641	677	714	750	787	824	861	898	935	972	
AN	600	634	668	703	737	772	806	841	876	911	
AP	565	597	629	661	693	726	758	791	824	856	

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED

SRI = 14 DAYS - CENTRAL STOCK

CAT	31	32	33	34	35	36	37	38	39	40
B										
C										
D										
E										
F										
G										
H										
I										
J										
K	9460	9811								
L	8559	8877	9195	9513	9833					
M	7815	8105	8395	8686	8978	9270	9562	9856		
N	7190	7456	7723	7991	8259	8528	8797	9067	9337	9608
P	6657	6904	7151	7399	7648	7896	8146	8396	8646	8896
Q	6198	6428	6658	6889	7120	7352	7584	7816	8049	8283
R	5798	6013	6228	6444	6661	6877	7095	7312	7530	7748
S	5447	5649	5851	6054	6257	6461	6665	6869	7074	7279
T	5135	5326	5517	5708	5899	6091	6284	6476	6669	6863
U	4858	5038	5218	5399	5580	5762	5944	6126	6309	6492
V	4609	4779	4951	5122	5294	5467	5639	5812	5985	6159
W	4279	4438	4597	4756	4916	5076	5236	5397	5558	5719
X	3907	4052	4197	4343	4489	4635	4781	4928	5074	5222
Y	3595	3728	3861	3995	4129	4264	4398	4533	4668	4804
Z	3209	3328	3448	3567	3687	3807	3927	4048	4168	4289
AA	2808	2912	3017	3121	3226	3331	3436	3542	3647	3753
AB	2496	2589	2681	2774	2868	2961	3054	3148	3242	3336
AC	2246	2330	2413	2497	2581	2665	2749	2833	2918	3002
AD	2042	2118	2194	2270	2346	2422	2499	2576	2652	2729
AE	1872	1941	2011	2081	2151	2220	2291	2361	2431	2502
AF	1728	1792	1856	1921	1985	2050	2114	2179	2244	2309
AG	1604	1664	1724	1783	1843	1903	1963	2024	2084	2144
AH	1497	1553	1609	1664	1720	1776	1832	1889	1945	2001
AI	1382	1433	1485	1536	1588	1640	1691	1743	1795	1847
AJ	1265	1312	1359	1406	1454	1501	1548	1596	1644	1691

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS	CONTINUED									
AK	1167	1210	1253	1297	1340	1384	1428	1472	1515	1559
AL	1082	1123	1163	1203	1243	1284	1324	1365	1406	1447
AM	1009	1047	1084	1122	1160	1197	1235	1273	1311	1349
AN	946	981	1016	1051	1086	1122	1157	1193	1228	1264
AP	889	922	955	989	1022	1055	1088	1122	1155	1189

SESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL STOCK - 6

SRI = 14 DAYS - CENTRAL STOCK

CAT	41	42	43	44	45	46	47	48	49	50
B										
C										
D										
E										
F										
G										
H										
I										
J										
K										
L										

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED										
M										
N	9879									
P	9147	9399	9651	9903						
Q	8517	8751	8985	9220	9455	9690	9926			
R	7967	8186	8405	8625	8845	9065	9286	9506	9727	9949
S	7484	7690	7896	8102	8309	8516	8723	8930	9138	9346
T	7056	7250	7445	7639	7834	8029	8224	8420	8616	8812
U	6675	6858	7042	7226	7411	7595	7780	7965	8150	8335
V	6333	6507	6681	6856	7030	7205	7381	7556	7732	7908
W	5880	6042	6204	6366	6528	6691	6854	7016	7180	7343
X	5369	5517	5664	5812	5961	6109	6258	6406	6555	6704
Y	4939	5075	5211	5347	5484	5620	5757	5894	6031	6168
Z	4410	4531	4653	4774	4896	5018	5140	5262	5385	5507
AA	3859	3965	4071	4177	4284	4391	4497	4604	4711	4819
AB	3430	3524	3619	3713	3808	3903	3998	4093	4188	4283
AC	3087	3172	3257	3342	3427	3512	3598	3683	3769	3855
AD	2806	2883	2961	3038	3115	3193	3271	3349	3426	3504
AE	2572	2643	2714	2785	2856	2927	2998	3069	3141	3212
AF	2374	2440	2505	2571	2636	2702	2767	2833	2899	2965
AG	2205	2265	2326	2387	2448	2509	2570	2631	2692	2753
AH	2058	2114	2171	2228	2285	2341	2398	2455	2513	2570
AI	1899	1952	2004	2056	2109	2161	2214	2267	2319	2372
AJ	1739	1787	1835	1883	1931	1979	2027	2075	2123	2172
AK	1603	1647	1692	1736	1780	1824	1869	1913	1958	2002
AL	1487	1528	1569	1610	1651	1692	1734	1775	1816	1857
AM	1387	1425	1463	1502	1540	1578	1617	1655	1694	1732
AN	1299	1335	1371	1407	1443	1479	1515	1551	1587	1623
AP	1222	1256	1290	1323	1357	1391	1425	1458	1492	1526

SRI = 14 DAYS - CENTRAL STOCK

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS		CONTINUED								
CAT	51	52	53	54	55	56	57	58	59	60
B										
C										
D										
E										
F										
G										
H										
I										
J										
K										
L										
M										
N										
P										
Q										
R										
S	9554	9762	9971							
T	9008	9204	9401	9598	9795	9992				
U	8521	8707	8893	9079	9265	9452	9639	9826		
V	8084	8260	8437	8613	8790	8967	9144	9322	9499	9677
W	7506	7670	7834	7998	8162	8327	8491	8656	8821	8985
X	6854	7003	7153	7303	7452	7602	7753	7903	8054	8204
Y	6305	6443	6580	6718	6856	6994	7132	7271	7409	7548
Z	5630	5752	5875	5998	6122	6245	6368	6492	6615	6739
AA	4926	5033	5141	5249	5356	5464	5572	5680	5788	5897
AB	4379	4474	4570	4665	4761	4857	4953	5049	5145	5241
AC	3941	4027	4113	4199	4285	4371	4458	4544	4631	4717
AD	3582	3660	3739	3817	3895	3974	4052	4131	4210	4288
AE	3284	3355	3427	3499	3571	3643	3715	3787	3859	3931
AF	3031	3097	3163	3230	3296	3362	3429	3495	3562	3628
AG	2815	2876	2937	2999	3061	3122	3184	3246	3307	3369
AH	2627	2684	2742	2799	2856	2914	2972	3029	3087	3145
AI	2425	2478	2531	2584	2637	2690	2743	2796	2849	2903
AJ	2220	2268	2317	2365	2414	2462	2511	2560	2609	2657
AK	2047	2091	2136	2181	2226	2271	2315	2360	2405	2450
AL	1899	1940	1982	2023	2065	2106	2148	2190	2231	2273
AM	1771	1809	1848	1887	1926	1964	2003	2042	2081	2120
AN	1659	1695	1731	1768	1804	1840	1877	1913	1949	1986
AP	1560	1594	1628	1663	1697	1731	1765	1799	1834	1868

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED

SESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL STOCK - 7

SRI = 14 DAYS - CENTRAL STOCK

CAT	61	62	63	64	65	66	67	68	69	70
B										
C										
D										
E										
F										
G										
H										
I										
J										
K										
L										
M										
N										
P										
Q										
R										
S										
T										
U										
V	9855									
W	9151	9316	9481	9647	9812	9978				
X	8355	8506	8657	8808	8959	9110	9262	9413	9565	9717
Y	7686	7825	7964	8103	8242	8381	8521	8660	8800	8939
Z	6863	6987	7111	7235	7359	7483	7608	7732	7857	7981
AA	6005	6113	6222	6330	6439	6548	6657	6766	6875	6984
AB	5338	5434	5530	5627	5724	5820	5917	6014	6111	6208
AC	4804	4891	4977	5064	5151	5238	5325	5412	5500	5587
AD	4367	4446	4525	4604	4683	4762	4841	4920	5000	5079
AE	4003	4075	4148	4220	4293	4365	4438	4510	4583	4656
AF	3695	3762	3829	3895	3962	4029	4096	4163	4230	4297
AG	3431	3493	3555	3617	3679	3741	3804	3866	3928	3990
AH	3202	3260	3318	3376	3434	3492	3550	3608	3666	3724

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS	CONTINUED										
AI	2956	3009	3063	3116	3170	3223	3277	3331	3384	3438	
AJ	2706	2755	2804	2853	2902	2951	3000	3049	3098	3147	
AK	2495	2540	2585	2631	2676	2721	2766	2811	2857	2902	
AL	2315	2357	2398	2440	2482	2524	2566	2608	2650	2692	
AM	2159	2198	2237	2276	2315	2354	2393	2432	2471	2511	
AN	2022	2059	2095	2132	2169	2205	2242	2279	2315	2352	
AP	1902	1937	1971	2005	2040	2074	2109	2143	2178	2212	

SRI = 14 DAYS - CENTRAL STOCK

CAT	71	72	73	74	75	76	77	78	79	80
B										
C										
D										
E										
F										
G										
H										
I										
J										
K										
L										
M										
N										
P										
Q										
R										
S										
T										
U										
V										

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS	CONTINUED									
W										
X	9869									
Y	9097	9219	9359	9499	9639	9799	9919			
Z	8106	8231	8356	8481	8606	8731	8856	8982	9107	9232
AA	7093	7202	7311	7421	7530	7640	7749	7859	7968	8078
AB	6305	6402	6499	6596	6693	6791	6888	6986	7083	7181
AC	5674	5762	5849	5936	6024	6112	6199	6287	6375	6462
AD	5158	5238	5317	5397	5476	5556	5636	5715	5795	5875
AE	4728	4801	4874	4947	5020	5093	5166	5239	5312	5385
AF	4365	4432	4499	4566	4634	4701	4769	4836	4903	4971
AG	4053	4115	4178	4240	4303	4365	4428	4491	4553	4616
AH	3783	3841	3899	3957	4016	4074	4133	4191	4250	4308
AI	3492	3545	3599	3653	3707	3761	3815	3869	3923	3977
AJ	3197	3246	3295	3344	3394	3443	3492	3542	3591	3641
AK	2947	2993	3038	3084	3129	3175	3220	3266	3311	3357
AL	2734	2776	2819	2861	2903	2945	2987	3030	3072	3114
AM	2550	2589	2628	2668	2707	2747	2786	2825	2865	2904
AN	2389	2426	2462	2499	2536	2573	2610	2647	2684	2721
AP	2247	2282	2316	2351	2385	2420	2455	2490	2524	2559

SESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL STOCK - 8

SRI = 21 DAYS - CENTRAL STOCK

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS		CONTINUED								
CAT	2	3	4	5	6	7	8	9	10	
B	2543	5289	8409							
C	847	1763	2803	3922	5098	6317	7569	8848		
D	508	1057	1681	2353	3059	3790	4541	5309	6090	
E	363	755	1201	1681	2185	2707	3243	3792	4350	
F	282	587	934	1307	1699	2105	2523	2949	3383	
G	231	480	764	1069	1390	1722	2064	2413	2768	
H	195	406	646	905	1176	1457	1746	2041	2342	
I	169	352	560	784	1019	1263	1513	1769	2030	
J	149	311	494	692	899	1114	1335	1561	1791	
K	133	278	442	619	805	997	1195	1397	1602	
L	121	251	400	560	728	902	1081	1264	1450	
M	110	229	365	511	665	823	987	1154	1323	
N	101	211	336	470	611	758	908	1061	1218	
P	94	195	311	435	566	701	841	983	1127	
Q	87	182	289	405	527	653	783	915	1050	
R	82	170	271	379	493	611	732	856	982	
S	77	160	254	356	463	574	688	804	922	
T	72	151	240	336	437	541	648	758	870	
U	68	142	227	318	413	512	613	717	823	
V	65	135	215	301	392	485	582	680	780	
W	60	125	200	280	364	451	540	632	725	
X	55	114	182	255	332	411	493	577	661	
Y	50	105	168	235	305	379	454	530	609	
Z	45	94	150	210	273	338	405	474	543	
AA	39	82	131	183	239	296	354	414	475	
AB	35	73	116	163	212	263	315	368	422	
AC	31	66	105	147	191	236	283	331	380	
AD	28	60	95	133	173	215	258	301	346	
AE	26	55	87	122	159	197	236	276	317	
AF	24	50	80	113	147	182	218	255	292	
AG	22	47	75	105	136	169	202	237	271	
AH	21	44	70	98	127	157	189	221	253	
AI	19	40	64	90	117	145	174	204	234	
AJ	17	37	59	82	107	133	159	186	214	
AK	16	34	54	76	99	123	147	172	197	
AL	15	31	50	70	92	114	136	159	183	
AM	14	29	47	66	85	106	127	149	171	
AN	13	27	44	61	80	99	119	139	160	
AP	12	26	41	58	75	93	112	131	150	

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED

SRI = 21 DAYS - CENTRAL STOCK

CAT	11	12	13	14	15	16	17	18	19	20
B										
C										
D	6883	7686	8498	9318						
E	4916	5490	6070	6655	7246	7841	8440	9043	9649	
F	3824	4270	4721	5176	5636	6098	6564	7033	7505	7979
G	3128	3493	3862	4235	4611	4989	5371	5754	6140	6528
H	2647	2956	3268	3583	3901	4222	4544	4869	5195	5524
I	2294	2562	2832	3106	3381	3659	3938	4220	4503	4787
J	2024	2260	2499	2740	2983	3228	3475	3723	3973	4224
K	1811	2022	2236	2452	2669	2888	3109	3331	3555	3779
L	1638	1830	2023	2218	2415	2613	2813	3014	3216	3419
M	1496	1670	1847	2025	2205	2386	2568	2752	2936	3122
N	1376	1537	1699	1863	2028	2195	2363	2532	2701	2872
P	1274	1423	1573	1725	1878	2032	2188	2344	2501	2659
Q	1186	1325	1465	1606	1749	1892	2037	2182	2329	2476
R	1110	1239	1370	1502	1636	1770	1905	2042	2178	2316
S	1042	1164	1287	1411	1537	1663	1790	1918	2046	2176
T	983	1098	1214	1331	1449	1568	1688	1808	1929	2051
U	930	1038	1148	1259	1370	1483	1596	1710	1825	1940
V	882	985	1089	1194	1300	1407	1514	1623	1731	1841
W	819	915	1011	1109	1207	1306	1406	1507	1608	1709
X	748	835	923	1012	1102	1193	1284	1376	1468	1561
Y	688	768	849	931	1014	1097	1181	1266	1350	1436
Z	614	686	758	831	905	980	1055	1130	1206	1282
AA	537	600	663	727	792	857	923	989	1055	1122
AB	478	533	590	647	704	762	820	879	938	997
AC	430	480	531	582	634	686	738	791	844	897
AD	391	436	482	529	576	623	671	719	767	816
AE	358	400	442	485	528	571	615	659	703	748
AF	330	369	408	447	487	527	568	608	649	690
AG	307	343	379	415	452	490	527	565	603	641
AH	286	320	354	388	422	457	492	527	562	598

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS	CONTINUED									
AI	264	295	326	358	390	422	454	486	519	552
AJ	242	270	299	328	357	386	416	445	475	505
AK	223	249	275	302	329	356	383	411	438	466
AL	207	231	255	280	305	330	355	381	406	432
AM	193	215	238	261	284	208	331	355	379	403
AN	181	202	223	245	266	288	310	333	355	377
AP	170	190	210	230	251	271	292	313	334	355

SESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL STOCK - 9

SRI = 21 DAYS - CENTRAL STOCK

CAT	21	22	23	24	25	26	27	28	29	30
B										
C										
D										
E										
F	8455	8934	9414	9896						
G	6918	7309	7702	8097	8493	8890	9288	9688		
H	5853	6185	6517	6851	7186	7522	7859	8198	8537	8877
I	5073	5360	5648	5937	6228	6519	6811	7105	7398	7693
J	4476	4729	4984	5239	5495	5752	6010	6269	6528	6788
K	4005	4231	4459	4687	4917	5147	5377	5609	5841	6073
L	3623	3828	4034	4241	4448	4656	4865	5075	5284	5495
M	3308	3495	3683	3872	4061	4251	4442	4633	4825	5017
N	3044	3216	3389	3562	3737	3911	4087	4263	4439	4616
P	2818	2978	3138	3298	3460	3622	3784	3947	4110	4274
Q	2624	2772	2921	3071	3221	3372	3523	3675	3827	3979
R	2454	2593	2733	2873	3013	3154	3296	3437	3580	3722

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS	CONTINUED									
S	2306	2436	2567	2699	2831	2963	3096	3229	3363	3497
T	2174	2297	2420	2544	2669	2794	2919	3045	3170	3297
U	2056	2173	2289	2407	2525	2643	2761	2880	2999	3119
V	1951	2061	2172	2283	2395	2507	2619	2732	2845	2959
W	1811	1914	2017	2120	2224	2328	2432	2537	2642	2747
X	1654	1747	1841	1936	2030	2125	2221	2316	2412	2508
Y	1522	1608	1694	1781	1868	1955	2043	2131	2219	2308
Z	1358	1435	1513	1590	1668	1746	1824	1903	1981	2060
AA	1189	1256	1323	1391	1459	1528	1596	1665	1734	1803
AB	1056	1116	1176	1237	1297	1358	1419	1480	1541	1602
AC	951	1005	1059	1113	1167	1222	1277	1332	1387	1442
AD	864	913	962	1012	1061	1111	1161	1211	1261	1311
AE	792	837	882	927	973	1018	1064	1110	1156	1202
AF	731	773	817	856	898	940	982	1024	1067	1109
AG	679	717	756	795	834	873	912	951	990	1030
AH	634	670	706	742	778	814	851	888	924	961
AI	585	618	651	685	718	752	785	819	853	887
AJ	535	566	596	627	657	688	719	750	781	812
AK	494	522	550	578	606	635	663	692	720	749
AL	458	484	510	536	562	589	615	642	668	695
AM	427	451	476	500	524	549	574	598	623	648
AN	400	423	445	468	491	514	537	560	584	607
AP	376	398	419	440	462	484	505	527	549	571

SRI = 21 DAYS - CENTRAL STOCK

CAT	31	32	33	34	35	36	37	38	39	40
B										
C										
D										

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED

E										
F										
G										
H	9218	9559	9902							
I	7989	8285	8582	8879	9177	9476	9775			
J	7049	7310	7572	7834	8097	8361	8625	8889	9154	9420
K	6307	6540	6775	7010	7245	7481	7717	7954	8191	8428
L	5706	5918	6130	6342	6555	6768	6982	7196	7411	7625
M	5210	5403	5597	5791	5985	6180	6375	6570	6766	6962
N	4793	4971	5149	5327	5506	5685	5865	6045	6225	6405
P	4438	4602	4767	4933	5098	5264	5430	5597	5764	5931
Q	4132	4285	4439	4592	4747	4901	5056	5211	5366	5522
R	3865	4008	4152	4296	4440	4585	4730	4875	5020	5165
S	3631	3766	3900	4036	4171	4307	4443	4579	4716	4852
T	3423	3550	3678	3905	3933	4061	4189	4317	4446	4575
U	3238	3358	3479	3599	3720	3841	3963	4084	4206	4328
V	3072	3186	3300	3415	3529	3644	3759	3875	3990	4106
W	2853	2959	3065	3171	3277	3384	3491	3598	3705	3812
X	2605	2701	2798	2895	2992	3090	3187	3285	3383	3481
Y	2396	2485	2574	2663	2753	2842	2932	3022	3112	3202
Z	2139	2219	2298	2378	2458	2538	2618	2698	2779	2859
AA	1872	1941	2011	2081	2151	2220	2291	2361	2431	2502
AB	1664	1726	1787	1849	1912	1974	2036	2099	2161	2224
AC	1497	1553	1609	1664	1720	1776	1832	1889	1945	2001
AD	1361	1412	1462	1513	1564	1615	1666	1717	1768	1819
AE	1248	1294	1340	1387	1434	1480	1527	1574	1621	1668
AF	1152	1194	1237	1280	1323	1366	1409	1453	1496	1539
AG	1069	1109	1149	1189	1229	1269	1309	1349	1389	1429
AH	998	1035	1072	1109	1147	1184	1221	1259	1296	1334
AI	921	955	990	1024	1058	1093	1127	1162	1197	1231
AJ	843	875	906	937	969	1001	1032	1064	1096	1127
AK	778	807	835	864	893	923	952	981	1010	1039
AL	721	748	775	802	829	856	883	910	937	964
AM	673	698	723	748	773	798	823	849	874	899
AN	630	654	677	701	724	748	771	795	819	842
AP	593	615	637	659	681	703	725	748	770	792

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED

SESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL STOCK - 10

SRI = 21 DAYS - CENTRAL STOCK

CAT	41	42	43	44	45	46	47	48	49	50
B										
C										
D										
E										
F										
G										
H										
I										
J	9686	9952								
K	8666	8904	9143	9382	9621	9860				
L	7841	8056	8272	8488	8704	8921	9138	9355	9573	9791
M	7159	7356	7553	7750	7948	8145	8344	8542	8740	8939
N	6586	6767	6948	7130	7312	7494	7676	7858	8041	8224
P	6098	6266	6434	6602	6770	6939	7107	7276	7446	7615
Q	5678	5834	5990	6146	6303	6460	6617	6774	6932	7090
R	5311	5457	5603	5750	5896	6043	6190	6337	6485	6632
S	4989	5126	5264	5401	5539	5677	5815	5953	6092	6230
T	4704	4833	4963	5093	5222	5353	5483	5613	5744	5874
U	4450	4572	4695	4817	4940	5063	5186	5310	5433	5557
V	4222	4338	4454	4570	4687	4803	4920	5037	5154	5272
W	3920	4028	4136	4244	4352	4460	4569	4677	4786	4895
X	3579	3678	3776	3875	3974	4072	4172	4271	4370	4469
Y	3293	3383	3474	3565	3656	3747	3838	3929	4020	4112
Z	2940	3021	3102	3183	3264	3345	3427	3508	3590	3671
AA	2572	2643	2714	2785	2856	2927	2998	3069	3141	3212
AB	2286	2349	2412	2475	2538	2602	2665	2728	2792	2855
AC	2058	2114	2171	2228	2285	2341	2398	2455	2513	2570
AD	1871	1922	1974	2025	2077	2129	2180	2232	2284	2336
AE	1715	1762	1809	1856	1904	1951	1999	2046	2094	2141
AF	1583	1626	1670	1714	1757	1801	1845	1889	1933	1977

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS	CONTINUED									
AG	1470	1510	1551	1591	1632	1672	1713	1754	1795	1835
AH	1372	1409	1447	1485	1523	1561	1599	1637	1675	1713
AI	1266	1301	1336	1371	1406	1441	1476	1511	1546	1581
AJ	1159	1191	1223	1255	1287	1319	1351	1383	1415	1448
AK	1069	1098	1128	1157	1187	1216	1246	1275	1305	1335
AL	991	1019	1046	1073	1101	1128	1156	1183	1211	1238
AM	925	950	975	1001	1026	1052	1078	1103	1129	1155
AN	866	890	914	938	962	986	1010	1034	1058	1082
AP	815	837	860	882	904	927	950	972	995	1017

SRI = 21 DAYS - CENTRAL STOCK

CAT	51	52	53	54	55	56	57	58	59	60
B										
C										
D										
E										
F										
G										
H										
I										
J										
K										
L										
M	9138	9338	9537	9737	9937					
N	8407	8591	8774	8958	9142	9326	9510	9694	9879	
P	7784	7954	8124	8294	8465	8635	8806	8976	9147	9318
Q	7248	7406	7564	7722	7881	8039	8198	8357	8516	8676
R	6780	6928	7076	7224	7372	7521	7669	7818	7967	8116
S	6369	6508	6647	6786	6925	7065	7204	7344	7484	7624

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS	CONTINUED									
T	6005	6136	6267	6398	6530	6661	6793	6924	7056	7188
U	5680	5804	5928	6052	6177	6301	6426	6550	6675	6800
V	5389	5507	5624	5742	5860	5978	6096	6214	6333	6451
W	5004	5113	5222	5332	5441	5551	5661	5770	5880	5990
X	4569	4669	4768	4868	4968	5068	5168	5269	5369	5469
Y	4203	4295	4387	4479	4571	4663	4755	4847	4939	5032
Z	3753	3835	3917	3999	4081	4163	4245	4328	4410	4492
AA	3284	3355	3427	3499	3571	3643	3715	3787	3859	3931
AB	2919	2983	3046	3110	3174	3238	3302	3366	3430	3494
AC	2627	2684	2742	2799	2856	2914	2972	3029	3087	3145
AD	2388	2440	2492	2544	2597	2649	2701	2754	2806	2859
AE	2189	2237	2285	2332	2380	2428	2476	2524	2572	2620
AF	2021	2065	2109	2153	2197	2241	2286	2330	2374	2419
AG	1876	1917	1958	1999	2040	2081	2122	2164	2205	2246
AH	1751	1789	1828	1866	1904	1942	1981	2019	2058	2096
AI	1616	1652	1687	1722	1758	1793	1828	1864	1899	1935
AJ	1480	1542	1544	1577	1609	1641	1674	1706	1739	1771
AK	1364	1394	1424	1454	1484	1514	1543	1573	1603	1633
AL	1266	1293	1321	1349	1376	1404	1432	1460	1487	1515
AM	1180	1206	1232	1258	1284	1309	1335	1361	1387	1413
AN	1106	1130	1154	1178	1202	1227	1251	1275	1299	1324
AP	1040	1063	1085	1108	1131	1154	1177	1199	1222	1245

SESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL STOCK - 11

SRI = 21 DAYS - CENTRAL STOCK

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS		CONTINUED								
CAT	61	62	63	64	65	66	67	68	69	70
B										
C										
D										
E										
F										
G										
H										
I										
J										
K										
L										
M										
N										
P	9490	9661	9832							
Q	8835	8995	9154	9314	9474	9634	9794	9954		
R	8265	8414	8564	8713	8863	9012	9162	9312	9462	9612
S	7764	7904	8045	8185	8325	8466	8607	8748	8889	9030
T	7320	7453	7585	7717	7850	7982	8115	8248	8381	8514
U	6925	7050	7175	7300	7425	7551	7676	7802	7928	8053
V	6570	6688	6807	6926	7045	7164	7283	7402	7521	7640
W	6100	6210	6321	6431	6541	6652	6762	6873	6984	7095
X	5570	5670	5771	5872	5972	6073	6174	6275	6376	6478
Y	5124	5217	5309	5402	5495	5587	5680	5773	5866	5959
Z	4575	4658	4740	4823	4906	4989	5072	5155	5238	5321
AA	4003	4075	4148	4220	4293	4365	4438	4510	4583	4656
AB	3558	3623	3687	3751	3816	3880	3945	4009	4074	4138
AC	3202	3260	3318	3376	3434	3492	3550	3608	3666	3724
AD	2911	2964	3016	3069	3122	3174	3227	3280	3333	3386
AE	2669	2717	2765	2813	2862	2910	2958	3007	3055	3104
AF	2463	2508	2552	2597	2641	2686	2731	2775	2820	2865
AG	2287	2329	2370	2411	2453	2494	2536	2577	2619	2660
AH	2135	2173	2212	2251	2289	2328	2367	2405	2444	2483
AI	1971	2006	2042	2077	2113	2149	2184	2220	2256	2292
AJ	1804	1837	1869	1902	1934	1967	2000	2033	2065	2098
AK	1663	1693	1723	1754	1784	1814	1844	1874	1904	1935
AL	1543	1571	1599	1627	1655	1683	1711	1739	1767	1795
AM	1439	1465	1491	1517	1534	1569	1595	1621	1647	1474
AN	1348	1372	1397	1421	1446	1470	1494	1519	1543	1568
AP	1268	1291	1314	1337	1360	1383	1406	1429	1452	1475

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED

SRI = 21 DAYS - CENTRAL STOCK

CAT	71	72	73	74	75	76	77	78	79	80
B										
C										
D										
E										
F										
G										
H										
I										
J										
K										
L										
M										
N										
P										
Q										
R	9762	9913								
S	9171	9312	9453	9595	9736	9878				
T	8647	8780	8913	9046	9180	9313	9447	9580	9714	9848
U	8179	8305	8431	8557	8683	8810	8936	9062	9189	9315
V	7760	7879	7999	8118	8238	8358	8478	8598	8718	8838
W	7205	7316	7427	7539	7650	7761	7872	7984	8095	8206
X	6579	6680	6782	6883	6984	7086	7188	7289	7391	7493
Y	6053	6146	6239	6332	6426	6519	6613	6706	6800	6893
Z	5404	5487	5570	5654	5737	5821	5904	5988	6071	6155
AA	4728	4801	4874	4947	5020	5093	5166	5239	5312	5385
AB	4203	4268	4332	4397	4462	4527	4592	4657	4722	4787
AC	3783	3841	3899	3957	4016	4074	4133	4191	4250	4308
AD	3439	3492	3545	3598	3651	3704	3757	3810	3863	3916
AE	3152	3201	3249	3298	3346	3395	3444	3493	3541	3590
AF	2910	2954	2999	3044	3089	3134	3179	3224	3269	3314
AG	2702	2743	2785	2827	2868	2910	2952	2994	3035	3077
AH	2522	2560	2599	2638	2677	2716	2755	2794	2833	2872

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS	CONTINUED									
AI	2328	2363	2399	2435	2471	2507	2543	2579	2615	2651
AJ	2131	2164	2196	2229	2262	2295	2328	2361	2394	2427
AK	1965	1995	2025	2056	2086	2116	2147	2177	2207	2238
AL	1823	1851	1879	1907	1935	1963	1991	2020	2048	2076
AM	1700	1726	1752	1778	1805	1831	1857	1883	1910	1936
AN	1592	1617	1641	1666	1691	1715	1740	1764	1789	1814
AP	1498	1521	1544	1567	1590	1613	1636	1660	1683	1706

5ESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL STOCK - 12

SRI = 21 DAYS - CENTRAL STOCK

CAT	81	82	83	84	85	86	87	88	89	90
B										
C										
D										
E										
F										
G										
H										
I										
J										
K										
L										
M										

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED											
N											
P											
Q											
R											
S											
T	9982										
U	9442	9569	9695	9822	9949						
V	8958	9078	9198	9319	9439	9559	9680	9800	9921		
W	8318	8430	8541	8653	8765	8876	8988	9100	9212	9324	
X	7595	7696	7798	7900	8002	8105	8207	8309	8411	8513	
Y	6987	7081	7175	7268	7362	7456	7550	7644	7738	7832	
Z	6238	6322	6406	6490	6573	6657	6741	6825	6909	6993	
AA	5458	5532	5605	5678	5752	5825	5898	5972	6045	6119	
AB	4852	4917	4982	5047	5113	5178	5243	5308	5374	5439	
AC	4367	4425	4484	4543	4601	4660	4719	4777	4836	4895	
AD	3970	4023	4076	4130	4183	4236	4290	4343	4396	4450	
AE	3639	3688	3736	3785	3834	3883	3932	3981	4030	4079	
AF	3359	3404	3449	3494	3539	3584	3630	3675	3720	3765	
AG	3119	3161	3203	3245	3286	3328	3370	3412	3454	3496	
AH	2911	2950	2989	3028	3067	3106	3146	3185	3224	3263	
AI	2687	2723	2759	2795	2831	2867	2904	2940	2976	3012	
AJ	2460	2493	2526	2559	2592	2625	2658	2691	2724	2758	
AK	2268	2299	2329	2360	2390	2420	2451	2482	2512	2543	
AL	2104	2132	2161	2189	2217	2245	2274	2302	2330	2359	
AM	1962	1989	2015	2041	2068	2094	2120	2147	2173	2200	
AN	1838	1863	1888	1912	1937	1962	1987	2011	2036	2061	
AP	1729	1752	1776	1799	1822	1845	1868	1892	1915	1938	

SRI = 21 DAYS - CENTRAL STOCK

CAT 91 92 93 94 95 96 97 98 99 100

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED

B										
C										
D										
E										
F										
G										
H										
I										
J										
K										
L										
M										
N										
P										
Q										
R										
S										
T										
U										
V										
W	9436	9549	9661	9773	9885	9998				
X	8616	8718	8821	8923	9026	9128	9231	9333	9436	9539
Y	7926	8021	8115	8209	8303	8398	8492	8587	8681	8776
Z	7077	7161	7245	7330	7414	7498	7582	7667	7751	7835
AA	6192	6266	6340	6413	6487	6561	6634	6708	6782	6856
AB	5504	5570	5635	5701	5766	5832	5897	5963	6028	6094
AC	4954	5013	5072	5131	5189	5248	5307	5366	5426	5485
AD	4503	4557	4611	4664	4718	4771	4825	4879	4932	4986
AE	4128	4177	4226	4275	4324	4374	4423	4472	4521	4570
AF	3811	3856	3901	3946	3992	4037	4083	4128	4173	4219
AG	3538	3580	3622	3665	3707	3749	3791	3883	3875	3917
AH	3302	3342	3381	3420	3459	3499	3538	3577	3617	3656
AI	3048	3085	3121	3157	3193	3230	3266	3302	3339	3375
AJ	2791	2824	2857	2890	2923	2957	2990	3023	3056	3090
AK	2573	2604	2634	2665	2696	2726	2757	2788	2818	2849
AL	2387	2416	2444	2472	2501	2529	2558	2586	2614	2643
AM	2226	2253	2279	2306	2332	2359	2385	2412	2438	2465
AN	2086	2110	2135	2160	2185	2210	2234	2259	2284	2309
AP	1962	1985	2008	2032	2055	2078	2102	2125	2148	2172

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED

5ESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL STOCK - 13

SRI = 21 DAYS - CENTRAL STOCK

CAT	101	102	103	104	105	106	107	108	109	110
B										
C										
D										
E										
F										
G										
H										
I										
J										
K										
L										
M										
N										
P										
Q										
R										
S										
T										
U										
V										
W										
X	9642	9744	9847	9950						
Y	8870	8965	9059	9154	9249	9343	9438	9533	9628	9723
Z	7920	8004	8089	8173	8258	8342	8427	8511	8596	8681
AA	6930	7004	7077	7151	7225	7299	7373	7447	7522	7596
AB	6160	6225	6291	6357	6423	6488	6554	6620	6686	6752
AC	5544	5603	5662	5721	5780	5839	5899	5958	6017	6076

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

	REQUIREMENTS		CONTINUED							
AD	5040	5093	5147	5201	5255	5309	5362	5416	5470	5524
AE	4620	4669	4718	4767	4817	4866	4915	4965	5014	5064
AF	4264	4310	4355	4401	4446	4492	4537	4583	4628	4674
AG	3960	4002	4044	4086	4129	4171	4213	4255	4298	4340
AH	3696	3735	3774	3814	3853	3893	3932	3972	4011	4051
AI	3411	3448	3484	3520	3557	3593	3630	3666	3703	3739
AJ	3123	3156	3190	3223	3256	3290	3323	3356	3390	3423
AK	2880	2910	2941	2972	3002	3033	3064	3095	3126	3156
AL	2671	2700	2728	2757	2785	2814	2842	2871	2900	2928
AM	2491	2518	2544	2571	2598	2624	2651	2677	2704	2731
AN	2334	2359	2384	2409	2433	2458	2483	2508	2533	2558
AP	2195	2219	2242	2265	2289	2312	2336	2359	2383	2406

SRI = 21 DAYS - CENTRAL STOCK

CAT 111 112 113 114 115 116 117 118 119 120

B
C
D
E
F
G
H
I
J
K
L
M
N
P
Q
R

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS		CONTINUED								
S										
T										
U										
V										
W										
X										
Y	9817	9912								
Z	8765	8850	8935	9020	9105	9189	9274	9359	9444	9529
AA	7670	7744	7818	7892	7966	8041	8115	8189	8264	8338
AB	6817	6883	6949	7015	7081	7147	7213	7279	7345	7411
AC	6136	6195	6254	6314	6373	6432	6492	6551	6611	6670
AD	5578	5632	5686	5740	5794	5848	5902	5956	6010	6064
AE	5113	5162	5212	5261	5311	5360	5410	5459	5509	5558
AF	4720	4765	4811	4857	4902	4948	4994	5039	5085	5131
AG	4382	4425	4467	4510	4552	4594	4637	4679	4722	4764
AH	4090	4130	4169	4209	4249	4288	4328	4367	4407	4447
AI	3776	3812	3849	3885	3922	3958	3995	4031	4068	4105
AJ	3457	3490	3523	3557	3590	3624	3657	3691	3724	3758
AK	3187	3218	3249	3280	3310	3341	3372	3403	3434	3465
AL	2957	2985	3014	3042	3071	3100	3128	3157	3186	3214
AM	2757	2784	2811	2837	2864	2891	2917	2944	2971	2998
AN	2583	2608	2633	2658	2683	2708	2733	2758	2783	2808
AP	2430	2453	2477	2500	2524	2547	2571	2594	2618	2641

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED

SESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL STOCK - 14

SRI = 28 DAYS - CENTRAL STOCK

CAT	2	3	4	5	6	7	8	9	10
B	1909	3967	6307	8826					
C	636	1322	2102	2942	3824	4737	5676	6636	7612
D	381	793	1261	1765	2294	2842	3406	3981	4567
E	272	566	901	1260	1638	2030	2432	2844	3262
F	212	440	700	980	1274	1579	1892	2212	2537
G	173	360	573	802	1042	1292	1548	1809	2076
H	146	305	485	678	882	1093	1310	1531	1756
I	127	264	420	588	764	947	1135	1327	1522
J	112	233	371	519	674	836	1001	1171	1343
K	100	208	331	464	603	748	896	1047	1202
L	90	188	300	420	546	676	810	948	1087
M	83	172	274	383	498	617	740	865	992
N	76	158	252	353	458	568	681	796	913
P	70	146	233	326	424	526	630	737	845
Q	65	136	217	304	395	490	587	686	787
R	61	127	203	284	370	458	549	642	736
S	57	120	191	267	347	430	516	603	692
T	54	113	180	252	327	406	486	568	652
U	51	107	170	238	310	384	460	538	617
V	48	101	161	226	294	364	436	510	585
W	45	94	150	210	273	338	405	474	543
X	41	86	137	191	249	308	370	432	496
Y	38	79	126	176	229	284	340	398	456
Z	34	70	112	157	204	253	304	355	407
AA	29	61	98	137	179	222	266	311	356
AB	26	55	87	122	159	197	236	276	317
AC	23	49	78	110	143	177	212	248	285
AD	21	45	71	100	130	161	193	226	259
AE	19	41	65	91	119	148	177	207	237
AF	18	38	60	84	110	136	163	191	219
AG	17	35	56	78	102	126	152	177	203
AH	15	33	52	73	95	118	141	165	190
AI	14	30	48	67	88	109	131	153	175
AJ	13	27	44	62	80	100	119	140	160
AK	12	25	40	57	74	92	110	129	148
AL	11	23	37	53	69	85	102	119	137
AM	10	22	35	49	64	79	95	111	128
AN	10	20	33	46	60	74	89	104	120
AP	9	19	31	43	56	70	84	98	113

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

| REQUIREMENTS CONTINUED |

SRI = 28 DAYS - CENTRAL STOCK

CAT	11	12	13	14	15	16	17	18	19	20
B										
C	8604	9607								
D	5162	5764	6373	6988	7608	8233	8862	9495		
E	3687	4117	4552	4991	5434	5881	6330	6782	7237	7694
F	2868	3202	3540	3882	4227	4574	4923	5275	5628	5984
G	2346	2620	2897	3176	3458	3742	4028	4316	4605	4896
H	1985	2217	2451	2687	2926	3166	3408	3652	3896	4143
I	1720	1921	2124	2329	2536	2744	2954	3165	3377	3590
J	1518	1695	1874	2055	2237	2421	2606	2792	2980	3168
K	1358	1517	1677	1839	2002	2166	2332	2498	2666	2834
L	1229	1372	1517	1663	1811	1960	2110	2260	2412	2564
M	1122	1253	1385	1519	1654	1789	1926	2064	2202	2341
N	1032	1152	1274	1397	1521	1646	1772	1899	2026	2154
P	956	1067	1180	1294	1409	1524	1641	1758	1876	1994
Q	890	993	1098	1204	1311	1419	1528	1637	1746	1857
R	832	929	1028	1127	1227	1327	1429	1531	1634	1737
S	782	873	965	1058	1152	1247	1342	1438	1535	1632
T	737	823	910	998	1086	1176	1266	1356	1447	1538
U	697	779	861	944	1028	1112	1197	1283	1369	1455
V	661	739	817	895	975	1055	1136	1217	1298	1381
W	614	686	758	831	905	980	1055	1130	1206	1282
X	561	626	692	759	827	894	963	1032	1101	1170
Y	516	576	637	698	760	823	886	949	1013	1077
Z	460	514	569	623	679	735	791	847	904	961
AA	403	450	497	545	594	643	692	741	791	841
AB	358	400	442	485	528	571	615	659	703	748
AC	322	360	398	436	475	514	553	593	633	673
AD	293	327	362	397	432	467	503	539	575	612
AE	268	300	311	363	396	428	461	494	527	561
AF	248	277	306	335	365	395	426	456	487	517
AG	230	257	284	311	339	367	395	423	452	480
AH	215	240	265	291	317	343	369	395	422	448
AI	198	221	245	268	292	316	340	365	389	414
AJ	181	202	224	246	267	289	312	334	356	379
AK	167	187	206	226	247	267	287	308	328	349
AL	155	173	191	210	229	247	266	286	305	324
AM	145	161	179	196	213	231	248	266	284	302
AN	135	151	167	183	200	216	233	249	266	283
AP	127	142	157	172	188	203	219	235	250	266

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED

SESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL STOCK - 15

SRI = 28 DAYS - CENTRAL STOCK

CAT	21	22	23	24	25	26	27	28	29	30
B										
C										
D										
E	8153	8614	9078	9543						
F	6341	6700	7060	7422	7785	8149	8514	8881	9248	9617
G	5188	5482	5777	6072	6369	6667	6966	7266	7567	7868
H	4390	4638	4888	5138	5389	5642	5894	6148	6402	6657
I	3805	4020	4236	4453	4671	4889	5108	5328	5549	5770
J	3357	3547	3738	3929	4121	4314	4507	4701	4896	5091
K	3003	3173	3344	3515	3687	3860	4033	4206	4380	4555
L	2717	2871	3026	3181	3336	3492	3649	3806	3963	4121
M	2481	2621	2762	2904	3046	3188	3331	3475	3619	3763
N	2283	2412	2541	2672	2802	2933	3065	3197	3329	3462
P	2113	2233	2353	2474	2595	2716	2838	2960	3082	3205
Q	1968	2079	2191	2303	2416	2529	2642	2756	2870	2984
R	1841	1945	2049	2154	2260	2366	2472	2578	2685	2792
S	1729	1827	1925	2024	2123	2222	2322	2422	2522	2622
T	1630	1722	1815	1908	2001	2095	2189	2283	2378	2472
U	1542	1629	1717	1805	1893	1982	2071	2160	2249	2339
V	1463	1546	1629	1712	1796	1880	1964	2049	2134	2219
W	1358	1435	1513	1590	1668	1746	1824	1903	1981	2060
X	1240	1310	1381	1452	1523	1594	1665	1737	1809	1881
Y	1141	1206	1270	1336	1401	1466	1532	1598	1664	1731
Z	1019	1076	1134	1192	1251	1309	1368	1427	1486	1545

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS	CONTINUED									
AA	891	942	992	1043	1094	1146	1197	1248	1300	1352
AB	792	837	882	927	973	1018	1064	1110	1156	1202
AC	713	753	794	835	875	916	957	999	1040	1081
AD	648	685	722	759	796	833	870	908	945	983
AE	594	628	661	695	729	764	798	832	867	901
AF	548	579	611	642	673	705	736	768	800	832
AG	509	538	567	596	625	654	684	713	743	772
AH	475	502	529	556	583	611	638	666	693	721
AI	439	463	488	513	538	564	589	614	640	665
AJ	401	424	447	470	493	516	539	562	586	609
AK	370	391	412	433	454	476	497	519	540	562
AL	343	363	382	402	422	441	461	481	501	521
AM	320	338	357	375	393	412	430	449	467	486
AN	300	317	334	351	368	386	403	420	438	455
AP	282	298	314	330	346	363	379	395	412	428

SRI = 28 DAYS - CENTRAL STOCK

CAT	31	32	33	34	35	36	37	38	39	40
B										
C										
D										
E										
F	9986									
G	8170	8473	8777	9081	9386	9691	9997			
H	6913	7169	7426	7684	7942	8200	8459	8718	8978	9239
I	5991	6213	6436	6659	6883	7107	7331	7556	7781	8007
J	5286	5482	5679	5876	6073	6271	6469	6667	6866	7065
K	4730	4905	5081	5257	5434	5610	5788	5965	6143	6321
L	4279	4438	4597	4756	4916	5076	5236	5397	5558	5719
M	3907	4052	4197	4343	4489	4635	4781	4928	5074	5222
N	3595	3728	3861	3995	4129	4264	4398	4533	4668	4804
P	3328	3452	3575	3699	3824	3948	4073	4198	4323	4448
Q	3099	3214	3329	3444	3560	3676	3792	3908	4024	4141
R	2899	3006	3114	3222	3330	3438	3547	3656	3765	3874
S	2723	2824	2925	3027	3128	3230	3332	3434	3537	3639
T	2567	2663	2758	2854	2949	3045	3142	3238	3334	3431
U	2429	2519	2609	2699	2790	2881	2972	3063	3154	3246
V	2304	2389	2475	2561	2647	2733	2819	2906	2992	3079
W	2139	2219	2298	2378	2458	2538	2618	2698	2779	2859
X	1953	2026	2098	2171	2244	2317	2390	2464	2537	2611
Y	1797	1864	1930	1997	2064	2132	2199	2266	2334	2402
Z	1604	1664	1724	1783	1843	1903	1963	2024	2084	2144
AA	1404	1456	1508	1560	1613	1665	1718	1771	1823	1876

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS	CONTINUED									
AB	1248	1294	1340	1387	1434	1480	1527	1574	1621	1668
AC	1123	1165	1206	1248	1290	1332	1374	1416	1459	1501
AD	1021	1059	1097	1135	1173	1211	1249	1288	1326	1364
AE	936	970	1005	1040	1075	1110	1145	1180	1215	1251
AF	864	896	928	960	992	1025	1057	1089	1122	1154
AG	802	832	862	891	921	951	981	1012	1042	1072
AH	748	776	804	832	860	888	916	944	972	1000
AI	691	716	742	768	794	820	845	871	897	923
AJ	632	656	679	703	727	750	774	798	822	845
AK	583	605	626	648	670	692	714	736	757	779
AL	541	561	581	601	621	642	662	682	703	723
AM	504	523	542	561	580	598	617	636	655	674
AN	473	490	508	525	543	561	578	596	614	623
AP	444	461	477	494	511	527	544	561	577	594

5ESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL STOCK - 16

SRI = 28 DAYS - CENTRAL STOCK

CAT	41	42	43	44	45	46	47	48	49	50
B										
C										
D										
E										
F										
G										
H	9499	9760								
I	8233	8459	8686	8912	9140	9367	9595	9823		
J	7264	7464	7664	7864	8064	8265	8466	8668	8869	9071

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS	CONTINUED									
K	6499	6678	6857	7036	7215	7395	7575	7755	7935	8116
L	5880	6042	6204	6366	6528	6691	6854	7016	7180	7343
M	5369	5517	5664	5812	5961	6109	6258	6406	6555	6704
N	4939	5075	5211	5347	5484	5620	5757	5894	6031	6168
P	4573	4699	4825	4951	5077	5204	5330	5457	5584	5711
Q	4258	4375	4492	4610	4727	4845	4963	5081	5199	5317
R	3983	4093	4202	4312	4422	4532	4643	4753	4863	4974
S	3742	3845	3948	4051	4154	4258	4361	4465	4569	4673
T	3528	3625	3722	3819	3917	4014	4112	4210	4308	4406
U	3337	3429	3521	3613	3705	3797	3890	3982	4075	4167
V	3166	3253	3340	3428	3515	3602	3690	3778	3866	3954
W	2940	3021	3102	3183	3264	3345	3427	3508	3590	3671
X	2684	2758	2832	2906	2980	3054	3129	3203	3277	3352
Y	2469	2537	2605	2673	2742	2810	2878	2947	3015	3084
Z	2205	2265	2326	2387	2448	2509	2570	2631	2692	2753
AA	1929	1982	2035	2088	2142	2195	2248	2302	2355	2409
AB	1715	1762	1809	1856	1904	1951	1999	2046	2094	2141
AC	1543	1586	1628	1671	1713	1756	1799	1841	1884	1927
AD	1403	1441	1480	1519	1557	1596	1635	1674	1713	1752
AE	1286	1321	1357	1392	1428	1463	1499	1534	1570	1606
AF	1187	1220	1252	1285	1318	1351	1383	1416	1449	1482
AG	1102	1132	1163	1193	1224	1254	1285	1315	1346	1376
AH	1029	1057	1085	1114	1142	1170	1199	1227	1256	1285
AI	949	976	1002	1028	1054	1080	1107	1133	1159	1186
AJ	869	893	917	941	965	989	1013	1037	1061	1086
AK	801	823	846	868	890	912	934	956	979	1001
AL	743	764	784	805	825	846	867	887	908	928
AM	963	712	731	751	770	789	808	827	847	866
AN	649	667	685	703	721	739	757	775	793	811
AP	611	628	645	661	678	695	712	729	746	763

SRI = 28 DAYS - CENTRAL STOCK

CAT	51	52	53	54	55	56	57	58	59	60
B										
C										
D										
E										
F										
G										
H										
I										
J	9273	9475	9677	9880						
K	8297	8478	8659	8840	9021	9203	9385	9567	9749	9931

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS	CONTINUED									
L	7506	7670	7834	7998	8162	8327	8491	8656	8821	8985
M	6854	7003	7153	7303	7452	7602	7753	7903	8054	8204
N	6305	6443	6580	6718	6856	6994	7132	7271	7409	7548
P	5838	5966	6093	6221	6348	6476	6604	6732	6860	6989
Q	5436	5554	5673	5792	5910	6029	6149	6268	6387	6507
R	5085	5196	5307	5418	5529	5640	5752	5863	5975	6087
S	4777	4881	4985	5089	5194	5299	5403	5508	5613	5718
T	4504	4602	4700	4799	4897	4996	5094	5193	5292	5391
U	4260	4353	4446	4539	4632	4726	4819	4913	5006	5100
V	4042	4130	4218	4306	4395	4483	4572	4661	4749	4838
W	3753	3835	3917	3999	4081	4163	4245	4328	4410	4492
X	3427	3501	3576	3651	3726	3801	3876	3951	4027	4102
Y	3152	3221	3290	3359	3428	3497	3566	3635	3704	3774
Z	2815	2876	2937	2999	3061	3122	3184	3246	3307	3369
AA	2463	2516	2570	2624	2678	2732	2786	2840	2894	2948
AB	2189	2237	2285	2332	2380	2428	2476	2524	2572	2620
AC	1970	2013	2056	2099	2142	2185	2229	2272	2315	2358
AD	1791	1830	1869	1908	1947	1987	2026	2065	2105	2144
AE	1642	1677	1713	1749	1785	1821	1857	1893	1929	1965
AF	1515	1548	1581	1615	1648	1681	1714	1747	1781	1814
AG	1407	1438	1468	1499	1530	1561	1592	1623	1653	1684
AH	1313	1342	1371	1399	1428	1457	1486	1514	1543	1572
AI	1212	1239	1265	1292	1318	1345	1371	1398	1424	1451
AJ	1110	1134	1158	1182	1207	1231	1255	1280	1304	1328
AK	1023	1045	1068	1090	1113	1135	1157	1180	1202	1225
AL	949	970	991	1011	1032	1053	1074	1095	1115	1136
AM	885	904	924	943	963	982	1001	1021	1040	1060
AN	829	847	865	884	902	920	938	956	974	993
AP	780	797	814	831	848	865	882	899	917	934

5ESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL STOCK - 17

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED

SRI = 28 DAYS - CENTRAL STOCK

CAT	61	62	63	64	65	66	67	68	69	70
B										
C										
D										
E										
F										
G										
H										
I										
J										
K										
L	9151	9316	9481	9647	9812	9978				
M	8355	8506	8657	8808	8959	9110	9262	9413	9565	9717
N	7686	7825	7964	8103	8242	8381	8521	8660	8800	8939
P	7117	7246	7374	7503	7632	7761	7890	8019	8148	8277
Q	6626	6746	6866	6985	7105	7225	7345	7466	7586	7706
R	6199	6311	6423	6535	6647	6759	6871	6984	7096	7209
S	5823	5928	6033	6139	6244	6349	6455	6561	6666	6772
T	5490	5589	5688	5788	5887	5987	6086	6186	6285	6385
U	5193	5287	5381	5475	5569	5663	5757	5851	5946	6040
V	4927	5016	5105	5194	5283	5373	5462	5551	5641	5730
W	4575	4658	4740	4823	4906	4989	5072	5155	5238	5321
X	4177	4253	4328	4404	4479	4555	4631	4706	4782	4858
Y	3843	3912	3982	4051	4121	4190	4260	4330	4400	4469
Z	3431	3493	3555	3617	3679	3741	3804	3866	3928	3990
AA	3002	3056	3111	3165	3219	3274	3328	3383	3437	3492
AB	2669	2717	2765	2813	2862	2910	2958	3007	3055	3104
AC	2402	2445	2488	2532	2575	2619	2662	2706	2750	2793
AD	2183	2223	2262	2302	2341	2381	2420	2460	2500	2539
AE	2001	2037	2074	2110	2146	2182	2219	2255	2291	2328
AF	1847	1881	1914	1947	1981	2014	2048	2081	2115	2148
AG	1715	1746	1777	1808	1839	1870	1902	1933	1964	1995
AH	1601	1630	1659	1688	1717	1746	1775	1804	1833	1862
AI	1478	1504	1531	1558	1585	1611	1638	1665	1692	1719
AJ	1353	1377	1402	1426	1451	1475	1500	1524	1546	1573
AK	1247	1270	1292	1315	1338	1360	1383	1405	1428	1451
AL	1157	1178	1199	1220	1241	1262	1283	1304	1325	1346
AM	1079	1099	1118	1138	1157	1177	1196	1216	1235	1255
AN	1011	1029	1047	1066	1084	1102	1121	1139	1157	1176
AP	951	968	985	1002	1020	1037	1054	1071	1089	1106

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED

SRI = 28 DAYS - CENTRAL STOCK

CAT	71	72	73	74	75	76	77	78	79	80
B										
C										
D										
E										
F										
G										
H										
I										
J										
K										
L										
M	9869									
N	9079	9219	9359	9499	9639	9779	9919			
P	8406	8536	8665	8795	8925	9054	9184	9314	9444	9574
Q	7827	7947	8068	8188	8309	8430	8551	8672	8793	8914
R	7322	7434	7547	7660	7773	7886	7999	8112	8226	8339
S	6878	6984	7090	7196	7302	7408	7514	7621	7727	7833
T	6485	6585	6685	6785	6885	6985	7085	7185	7285	7386
U	6134	6229	6323	6418	6512	6607	6702	6797	6892	6986
V	5820	5909	5999	6089	6178	6268	6358	6448	6538	6628
W	5404	5487	5570	5654	5737	5821	5904	5988	6071	6155
X	4934	5010	5086	5162	5238	5314	5391	5467	5543	5619
Y	4539	4609	4679	4749	4819	4889	4959	5029	5100	5170
Z	4053	4115	4178	4240	4303	4365	4428	4491	4553	4616
AA	3546	3601	3655	3710	3765	3820	3874	3929	3984	4039
AB	3152	3201	3249	3298	3346	3395	3444	3493	3541	3590
AC	2837	2881	2924	2968	3012	3056	3099	3143	3187	3231
AD	2579	2619	2658	2695	2738	2778	2818	2857	2897	2937
AE	2364	2400	2437	2473	2510	2546	2583	2619	2656	2692
AF	2182	2216	2249	2283	2317	2350	2384	2418	2451	2485
AG	2026	2057	2089	2120	2151	2182	2214	2245	2276	2308
AH	1891	1920	1949	1978	2008	2037	2066	2095	2125	2154
AI	1746	1772	1799	1826	1853	1880	1907	1934	1961	1988
AJ	1598	1623	1647	1672	1697	1721	1746	1771	1795	1820
AK	1473	1496	1519	1542	1564	1587	1610	1633	1655	1678
AL	1367	1388	1409	1430	1451	1472	1493	1515	1536	1557
AM	1275	1294	1314	1334	1353	1373	1393	1412	1432	1452
AN	1194	1213	1231	1249	1268	1286	1305	1323	1342	1360
AP	1123	1141	1158	1175	1192	1210	1227	1245	1262	1279

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED

SESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL STOCK - 18

SRI = 28 DAYS - CENTRAL STOCK

CAT	81	82	83	84	85	86	87	88	89	90
B										
C										
D										
E										
F										
G										
H										
I										
J										
K										
L										
M										
N										
P	9704	9835	9965							
Q	9035	9156	9278	9399	9520	9642	9763	9885		
R	8452	8566	8679	8792	8906	9020	9133	9247	9361	9475
S	7940	8046	8153	8260	8366	8473	8580	8687	8793	8900
T	7486	7587	7687	7788	7888	7989	8089	8190	8291	8392
U	7081	7176	7271	7367	7462	7557	7652	7747	7843	7938
V	6718	6808	6899	6989	7079	7169	7260	7350	7441	7531
W	6238	6322	6406	6490	6573	6657	6741	6825	6909	6993
X	5696	5772	5849	5925	6002	6078	6155	6232	6308	6385
Y	5240	5310	5381	5451	5522	5592	5662	5733	5804	5874
Z	4679	4741	4804	4867	4930	4993	5056	5119	5182	5245
AA	4094	4149	4204	4259	4314	4369	4424	4479	4534	4589
AB	3639	3688	3736	3785	3834	3883	3932	3981	4030	4079

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS	CONTINUED									
AC	3275	3319	3363	3407	3451	3495	3539	3583	3627	3671
AD	2977	3017	3057	3097	3137	3177	3217	3257	3297	3337
AE	2729	2766	2802	2839	2876	2912	2949	2986	2022	3059
AF	2519	2553	2587	2620	2654	2688	2722	2756	2790	2824
AG	2339	2370	2402	2433	2465	2496	2528	2559	2591	2622
AH	2183	2212	2242	2271	2300	2330	2359	2388	2418	2447
AI	2015	2042	2069	2096	2123	2150	2178	2205	2232	2259
AJ	1845	1870	1894	1919	1944	1969	1994	2018	2043	2068
AK	1701	1724	1747	1770	1792	1815	1838	1861	1884	1907
AL	1578	1599	1620	1642	1663	1684	1705	1726	1748	1769
AM	1472	1491	1511	1531	1551	1570	1590	1610	1630	1650
AN	1379	1397	1416	1434	1453	1491	1490	1508	1527	1545
AP	1297	1314	1331	1349	1366	1384	1401	1419	1436	1454

SRI = 28 DAYS - CENTRAL STOCK

CAT	91	92	93	94	95	96	97	98	99	100
B										
C										
D										
E										
F										
G										
H										
I										
J										
K										
L										
M										
N										
P										
Q										
R	9589	9703	9817	9931						
S	9007	9114	9222	9329	9436	9543	9650	9758	9865	9972
T	8493	8594	8695	8796	8897	8998	9099	9200	9301	9402
U	8034	8129	8225	8320	8416	8511	8607	8703	8798	8894
V	7622	7712	7803	7893	7984	8075	8166	8256	8347	8438
W	7077	7161	7245	7330	7414	7498	7582	7667	7751	7835
X	6462	6538	6615	6692	6769	6846	6923	7000	7077	7154
Y	5945	6015	6086	6157	6227	6298	6369	6440	6511	6582
Z	5308	5371	5434	5497	5560	5623	5687	5750	5813	5876
AA	4644	4699	4755	4810	4865	4920	4976	5031	5086	5142
AB	4128	4177	4226	4275	4324	4374	4423	4472	4521	4570
AC	3715	3759	3804	3848	3892	3936	3980	4025	4069	4113

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS	CONTINUED									
AD	3377	3418	3458	3498	3538	3578	3619	3659	3699	3739
AE	3096	3133	3170	3206	3243	3280	3317	3354	3391	3428
AF	2858	2892	2926	2960	2994	3028	3062	3096	3130	3164
AG	2654	2685	2717	2748	2780	2811	2843	2875	2906	2938
AH	2477	2506	2536	2565	2594	2624	2653	2683	2713	2742
AI	2286	2313	2340	2368	2395	2422	2449	2477	2504	2531
AJ	2093	2118	2143	2168	2192	2217	2242	2267	2292	2317
AK	1930	1953	1976	1999	2022	2045	2068	2091	2114	2137
AL	1790	1812	1833	1854	1875	1897	1918	1939	1961	1982
AM	1670	1689	1709	1729	1749	1769	1789	1809	1828	1848
AN	1564	1583	1601	1620	1638	1657	1676	1694	1713	1732
AP	1471	1489	1506	1524	1541	1559	1576	1594	1611	1629

SESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL STOCK - 19

SRI = 28 DAYS - CENTRAL STOCK

CAT	101	102	103	104	105	106	107	108	109	110
B										
C										
D										
E										
F										
G										
H										
I										
J										
K										
L										

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED

M										
N										
P										
Q										
R										
S										
T	9504	9605	9706	9808	9909					
U	8990	9086	9182	9278	9374	9470	9566	9662	9758	9854
V	8529	8620	8711	8802	8893	8984	9075	9166	9257	9349
W	7920	8004	8089	8173	8258	8342	8427	8511	8596	8681
X	7231	7308	7385	7462	7540	7617	7694	7771	7849	7926
Y	6652	6723	6794	6865	6936	7007	7078	7150	7221	7292
Z	5940	6003	6066	6130	6193	6257	6320	6383	6447	6510
AA	5197	5253	5308	5363	5419	5474	5530	5585	5641	5697
AB	4620	4669	4718	4767	4817	4866	4915	4965	5014	5064
AC	4158	4202	4246	4291	4335	4379	4424	4468	4513	4557
AD	3780	3820	3860	3901	3941	3981	4022	4062	4102	4143
AE	3465	3502	3538	3575	3612	3649	3686	3723	3761	3798
AF	3198	3232	3266	3300	3335	3369	3403	3437	3471	3505
AG	2970	3001	3033	3065	3096	3128	3160	3191	3223	3255
AH	2772	2801	2831	2860	2890	2919	2949	2979	3008	3038
AI	2558	2586	2613	2640	2668	2695	2722	2750	2777	2804
AJ	2342	2367	2392	2417	2442	2467	2492	2517	2542	2567
AK	2160	2183	2206	2229	2252	2275	2298	2321	2344	2367
AL	2003	2025	2046	2068	2089	2110	2132	2153	2175	2196
AM	1868	1888	1908	1928	1948	1968	1988	2008	2028	2048
AN	1750	1769	1788	1806	1825	1844	1862	1881	1900	1919
AP	1646	1664	1681	1699	1717	1734	1752	1769	1787	1805

SRI = 28 DAYS - CENTRAL STOCK

CAT	111	112	113	114	115	116	117	118	119	120
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B
C
D
E
F
G
H
I
J
K
L
M

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED

N										
P										
Q										
R										
S										
T										
U	9950									
V	9440	9531	9622	9714	9805	9896	9988			
W	8765	8850	8935	9020	9105	9189	9274	9359	9444	9529
X	8003	8081	8158	8235	8313	8390	8468	8545	8623	8700
Y	7363	7434	7505	7577	7648	7719	7790	7862	7933	8004
Z	6574	6638	6701	6765	6828	6892	6956	7019	7083	7147
AA	5752	5808	5863	5919	5975	6030	6086	6142	6198	6253
AB	5113	5162	5212	5261	5311	5360	5410	5459	5509	5558
AC	4602	4646	4691	4735	4780	4824	4869	4913	4958	5003
AD	4183	4224	4264	4305	4345	4386	4426	4467	4507	4548
AE	3835	3872	3909	3946	3983	4020	4057	4094	4132	4169
AF	3540	3574	3608	3642	3677	3711	3745	3779	3814	3848
AG	3287	3319	3350	3382	3414	3446	3478	3509	3541	3573
AH	3068	3097	3127	3157	3186	3216	3246	3275	3305	3335
AI	2832	2859	2886	2914	2941	2969	2996	3023	3051	3078
AJ	2592	2617	2642	2667	2693	2718	2743	2768	2793	2818
AK	2390	2413	2436	2460	2483	2506	2529	2552	2575	2598
AL	2217	2239	2260	2282	2303	2325	2346	2368	2389	2411
AM	2068	2088	2108	2128	2148	2168	2188	2208	2228	2248
AN	1937	1956	1975	1993	2012	2031	2050	2068	2087	2106
AP	1822	1840	1857	1875	1893	1910	1928	1946	1963	1981

5ESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL STOCK - 20

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED
SRI = 28 DAYS - CENTRAL STOCK

CAT	121	122	123	124	125	126	127	128	129	130
B										
C										
D										
E										
F										
G										
H										
I										
J										
K										
L										
M										
N										
P										
Q										
R										
S										
T										
U										
V										
W	9614	9699	9784	9869	9954					
X	8778	8856	8933	9011	9089	9166	9244	9322	9399	9477
Y	8076	8147	8218	8290	8361	8433	8504	8576	8647	8719
Z	7210	7274	7338	7402	7465	7529	7593	7657	7721	7785
AA	6309	6365	6421	6476	6532	6588	6644	6700	6756	6812
AB	5608	5658	5707	5757	5806	5856	5906	5955	6005	6055
AC	5047	5092	5136	5181	5226	5270	5315	5360	5404	5449
AD	4588	4629	4669	4710	4751	4791	4832	4872	4913	4954
AE	4206	4243	4280	4317	4355	4392	4429	4466	4504	4541
AF	3882	3917	3951	3985	4020	4054	4088	4123	4157	4192
AG	3605	3637	3669	3701	3732	3764	3796	3828	3860	3892
AH	3365	3394	3424	3454	3484	3513	3543	3573	3603	3633
AI	3106	3133	3161	3188	3216	3243	3271	3298	3326	3353
AJ	2843	2868	2894	2919	2944	2969	2994	3019	3045	3070
AK	2622	2645	2668	2691	2714	2738	2761	2784	2807	2830
AL	2432	2454	2475	2497	2518	2540	2561	2583	2604	2626
AM	2268	2288	2308	2328	2348	2368	2389	2409	2429	2449
AN	2125	2144	2162	2181	2200	2219	2238	2256	2275	2294
AP	1999	2016	2034	2052	2069	2087	2105	2122	2140	2158

SRI = 28 DAYS - CENTRAL STOCK

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

	131	132	133	134	135	136	137	138	139	140
B										
C										
D										
E										
F										
G										
H										
I										
J										
K										
L										
M										
N										
P										
Q										
R										
S										
T										
U										
V										
W										
X	9555	9633	9711	9788	9866	9944				
Y	8790	8862	8934	9005	9077	9149	9220	9292	9364	9435
Z	7849	7913	7976	8040	8104	8168	8232	8296	8360	8424
AA	6867	6923	6979	7035	7091	7147	7203	7259	7315	7371
AB	6104	6154	6204	6254	6303	6353	6403	6453	6502	6552
AC	5494	5539	5583	5628	5673	5718	5762	5807	5852	5897
AD	4994	5035	5076	5116	5157	5198	5239	5279	5320	5361
AE	4578	4615	4653	4690	4727	4765	4802	4839	4877	4914
AF	4226	4260	4295	4329	4364	4398	4433	4467	4502	4536
AG	3924	3956	3988	4020	4052	4084	4116	4148	4180	4212
AH	3662	3692	3722	3752	3782	3812	3841	3871	3901	3931
AI	3381	3408	3436	3463	3491	3518	3546	3574	3601	3629
AJ	3095	3120	3145	3171	3196	3221	3246	3271	3297	3322
AK	2854	2877	2900	2923	2947	2970	2993	3017	3040	3063
AL	2647	2669	2691	2712	2734	2755	2777	2798	2820	2842
AM	2469	2489	2509	2529	2549	2569	2590	2610	2630	2650
AN	2313	2332	2351	2369	2388	2407	2429	2445	2464	2483
AP	2175	2193	2211	2229	2246	2264	2282	2300	2317	2335

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

REQUIREMENTS CONTINUED

SESS SWITCH SPARES REQUIREMENTS TABLE - CENTRAL STOCK - 21

SRI = 28 DAYS - CENTRAL STOCK

CAT	141	142	143	144	145	146	147	148	149	150
B										
C										
D										
E										
F										
G										
H										
I										
J										
K										
L										
M										
N										
P										
Q										
R										
S										
T										
U										
V										
W										
X										
Y	9507	9579	9651	9722	9794	9866	9938			
Z	8488	8553	8617	8681	8745	8809	8873	8937	9001	9066
AA	7427	7483	7539	7596	7652	7708	7764	7820	7876	7932
AB	6602	6652	6702	6752	6801	6851	6901	6951	7001	7051
AC	5942	5987	6031	6076	6121	6166	6211	6256	6301	6346
AD	5402	5442	5483	5524	5565	5605	5646	5687	5728	5769
AE	4951	4989	5026	5064	5101	5138	5176	5213	5251	5288

M I S C E L L A N E O U S T A B L E S
(CONTINUED)

	REQUIREMENTS		CONTINUED							
AF	4570	4605	4639	4674	4709	4743	4778	4812	4847	4881
AG	4244	4276	4308	4340	4372	4404	4436	4468	4500	4533
AH	3961	3991	4021	4051	4081	4111	4140	4170	4200	4230
AI	3656	3684	3711	3739	3767	3794	3822	3850	3877	3905
AJ	3347	3373	3398	3423	3448	3474	3499	3524	3550	3575
AK	3086	3110	3133	3156	3180	3203	3226	3250	3273	3296
AL	2863	2885	2906	2928	2950	2971	2993	3015	3036	3058
AM	2670	2690	2710	2731	2751	2771	2791	2811	2832	2852
AN	2502	2520	2539	2558	2577	2596	2615	2634	2653	2672
AP	2353	2371	2388	2406	2424	2442	2459	2477	2495	2513