

APPENDIX A
TABLE OF MIL
EQUIVALENTS

TABLE OF MIL
EQUIVALENTS

DEGREE TO MILS

DEG	MILS	DEG	MILS	DEG	MILS
1	17.7778	21	373.3333	41	728.8889
2	35.5556	22	391.1111	42	746.6667
3	53.3333	23	408.8889	43	764.4444
4	71.1111	24	426.6667	44	782.2222
5	88.8889	25	444.4444	45	800.0000
6	106.6667	26	462.2222	46	817.7778
7	124.4444	27	480.0000	47	835.5556
8	142.2222	28	497.7778	48	853.3333
9	160.0000	29	515.5556	49	871.1111
10	177.7778	30	533.3333	50	888.8889
11	195.5556	31	551.1111	51	906.6667
12	213.3333	32	568.8889	52	924.4444
13	231.1111	33	586.6667	53	942.2222
14	248.8889	34	604.4444	54	960.0000
15	266.6667	35	622.2222	55	977.7778
16	284.4444	36	640.0000	56	995.5556
17	302.2222	37	657.7778	57	1013.3333
18	320.0000	38	675.5565	58	1031.1111
19	337.7778	39	693.3333	59	1048.8889
20	355.5556	40	711.1111	60	1066.6667

MINUTES TO MILS

MIN	MILS	MIN	MILS	MIN	MILS
1	.2963	21	6.2222	41	12.1481
2	.5926	22	6.5185	42	12.4444
3	.8889	23	6.8148	43	12.7407
4	1.1852	24	7.1111	44	13.0370
5	1.4815	25	7.4074	45	13.3333
6	1.7778	26	7.7037	46	13.6296
7	2.0741	27	8.0000	47	13.9259
8	2.3704	28	8.2963	48	14.2222
9	2.6667	29	8.5926	49	14.5185
10	2.9630	30	8.8889	50	14.8148
11	3.2593	31	9.1852	51	15.1111
12	3.5556	32	9.4815	52	15.4074
13	3.8519	33	9.7778	53	15.7037
14	4.1481	34	10.0741	54	16.0000
15	4.4444	35	10.3704	55	16.2963
16	4.7407	36	10.6667	56	16.5926
17	5.0370	37	10.9630	57	16.8889
18	5.3333	38	11.2593	58	17.1852
19	5.6296	39	11.5556	59	17.4815
20	5.9259	40	11.8519	60	17.7778

SECONDS TO MILS

SEC	MILS	SEC	MILS	SEC	MILS
1	.0049	21	.1037	41	.2025
2	.0099	22	.1086	42	.2074
3	.0148	23	.1136	43	.2123
4	.0198	24	.1185	44	.2173
5	.0247	25	.1235	45	.2222
6	.0296	26	.1284	46	.2272
7	.0346	27	.1333	47	.2321
8	.0395	28	.1383	48	.2370
9	.0444	29	.1432	49	.2420
10	.0494	30	.1481	50	.2469
11	.0543	31	.1531	51	.2519
12	.0593	32	.1580	52	.2568
13	.0642	33	.1630	53	.2617
14	.0691	34	.1679	54	.2667
15	.0741	35	.1728	55	.2716
16	.0790	36	.1778	56	.2765
17	.0840	37	.1827	57	.2815
18	.0889	38	.1877	58	.2864
19	.0938	39	.1926	59	.2914
20	.0988	40	.1975	60	.2963

NOTE: 360 DEGREES = 6400 MILS

APPENDIX B
100,000-METER SQUARE
IDENTIFICATIONS OF
MILITARY GRID
REFERENCE SYSTEM

TO DETERMINE THE UTM OR UPS 100,000-METER SQUARE MGRS IDENTIFICATION

B-1. These instructions provide a method for determining the correct UTM or UPS 100,000-meter square identification for any point in the world. See Chapter 3 for a full explanation of the 100,000-meter square identification. If geographic coordinates are the only coordinates given, they must be transformed to UTM or UPS grid coordinates. The following data are necessary to determine the correct 100,000-meter square letters:

B-1.1 For the UPS grid:

B-1.1.1 UPS grid coordinates (easting and northing).

B-1.1.2 The polar zone in which the coordinates are located.

B-1.2 For the UTM grid:

B-1.2.1 UTM grid coordinates (easting and northing).

B-1.2.2 UTM grid zone

B-1.2.3 Geographic coordinates or the 8° latitude band letter which is the Grid Zone Designation letter.

B-1.2.4 Ellipsoid and/or datum.

B-2 Determine by area, datum, and/or ellipsoid which of the following figures is appropriate:

Figure B-1: North of 84°N.

Figure B-2: South of 80°S.

Figure B-3: Geodetic Reference System (GRS 1980)
International
World Geodetic System 1984

Figure B-4: Bessel 1841

B-3 Method of use with the UPS grid:

B-3.1 If the coordinates fall in the north Polar region, use figure B-1 to determine the correct square identification letters. If the coordinates fall in the south Polar region, use figure B-2.

B-3.2 In figures B-1 and B-2, the easting lines are labeled every 500,000 meters from left to right with the 2,000,000 meter line being coincident with the 0° and 180° line. If the easting is less than 2,000,000 meters the Grid Zone Designation will be Y or A depending on whether the point is in the North or South Polar region. If the easting is greater than 2,000,000 meters the Grid Zone Designation will be Z or B. The northing lines are labeled every 500,000 meters from bottom to top with the 2,000,000 meter line coincident with the 90°W and 90°E line.

B-3.3 Reduce both easting and northing to the nearest 100,000 meters.

B-3.4 Find these grid lines on the figure.

B-3.5 The 100,000-meter square will be to the right and above these lines.

B-3.6 The procedure is the same for the north Polar region or the south Polar region.

Example: At latitude $86^\circ46'$ north, longitude $132^\circ30'$ west,
UPS grid coordinates were scaled, E = 1,735,000
N = 2,243,000 in the North Polar area.

Use figure B-1.

The easting is less than 2,000,000 meters, therefore
the grid zone designation is Y.

The coordinates reduced to the nearest 100,000 meters
are: E = 1,700,000 N = 2,200,000.

The 100,000-meter square letters to the right and above
the intersection of these lines are XK.

MGRS to the nearest 1,000 meters is YXK3543

B-4 Method of use with the UTM grid:

B-4.1 To determine the 100,000-meter square letters for UTM grid coordinates, first determine which figure, B-3 or B-4, is needed. The ellipsoid identifications are specified on each figure.

B-4.2 Locate the zone number in the list at the top of the figure. This identifies the set of designators in which the letters will be found.

B-4.3 If the 8° latitude band letter is given, it will be used as the grid designation letter. If the geographic coordinates are given, use the latitude of the point to determine the grid zone designation letter from Appendix D.

B-4.4 Reduce the easting to the nearest 100,000 meters. Find the 100,000-meter easting grid line within the grid zone identified in paragraph B-4.2. The easting lines are labeled below the figure, from 200,000 meters to 800,000 meters within each zone.

B-4.5 Reduce the grid northing by multiples of 2,000,000 meters until the resulting value is between 0 and 2,000,000 meters. Further reduce the grid northing to the nearest 100,000 meters. Find the 100,000-meter northing grid line. The northing lines are labeled at the left side of the figure.

B-4.6 The 100,000-meter square will be to the right and above the intersection of the lines found in paragraphs B-4.4 and B-4.5.

B-4.7 The procedure is the same for the northern hemisphere or the southern hemisphere.

Example: At latitude 34°15' north, longitude 88°36' east,
 UTM grid coordinates were scaled, E = 647,000
 N = 3,791,000 in UTM zone 45, grid zone
 designation letter S.

Grid zone designation is 45S.

The point is referenced to the WGS ellipsoid, therefore
 use figure B-3 and set 3 of the zones.

The easting is reduced to 600,000 meters.

For an easting of 600,000 meters start at the column X.
 Reduce the northing by 2,000,000 meters and then to the
 nearest 100,000 meters, obtaining 1,700,000 and
 read across that grid line to the intersection
 with the 600,000 meter easting line in zone 45.

The 100,000-meter square letters to the right and above
 this intersection is XT.

MGRS to the nearest 1,000 meters is 45SXT4791.

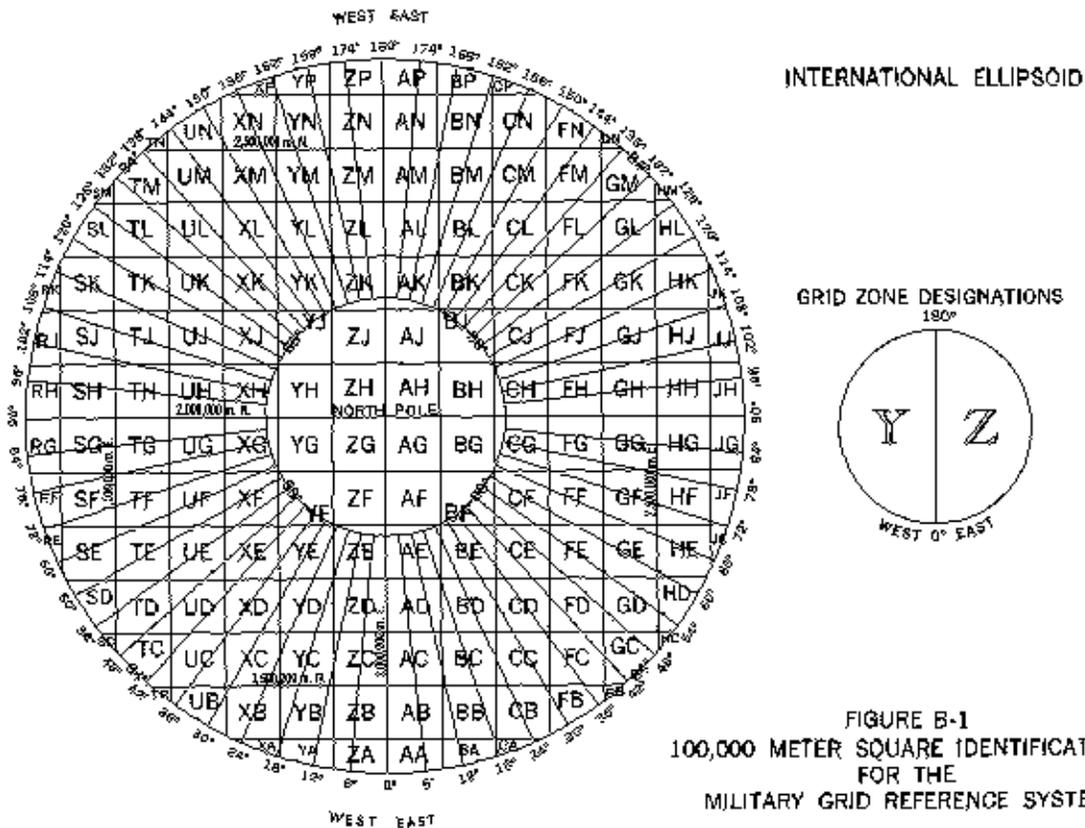


FIGURE B-1. 100,000 METER SQUARE IDENTIFICATIONS FOR THE MILITARY GRID REFERENCE SYSTEM (Northern Hemisphere)

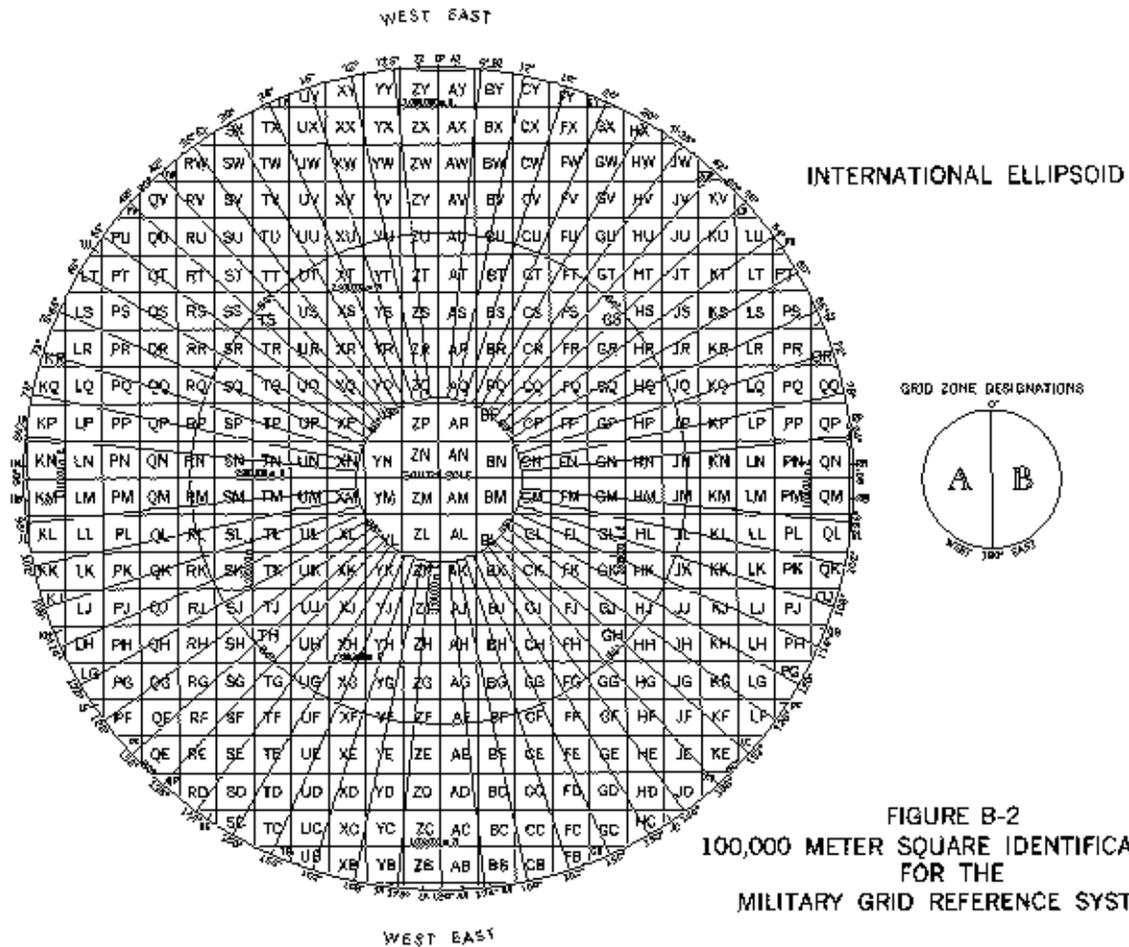


FIGURE B-2
100,000 METER SQUARE IDENTIFICATIONS
FOR THE
MILITARY GRID REFERENCE SYSTEM

FIGURE B-2. 100,000 METER SQUARE IDENTIFICATIONS FOR THE MILITARY GRID REFERENCE SYSTEM (Southern Hemisphere)

ZENITH	SET 1 1 7 13 19 25 31 37 43 49 55					SET 2 2 8 14 20 26 32 38 44 50 56					SET 3 3 9 15 21 27 33 39 45 51 57					SET 4 4 10 16 22 28 34 40 46 52 58					SET 5 5 11 17 23 29 35 41 47 53 59					SET 6 6 12 18 24 30 36 42 48 54 60																																																																																																																												
	AK	BK	CK	DK	EK	FK	GK	HK	IK	JK	LK	MK	NK	OK	PK	QK	RK	SK	TK	UK	VK	WK	XK	YK	ZK	AK	BK	CK	DK	EK	FK	GK	HK	IK	JK	LK	MK	NK	OK	PK	QK	RK	SK	TK	UK	VK	WK	XK	YK	ZK	AK	BK	CK	DK	EK	FK	GK	HK	IK	JK	LK	MK	NK	OK	PK	QK	RK	SK	TK	UK	VK	WK	XK	YK	ZK	AK	BK	CK	DK	EK	FK	GK	HK	IK	JK	LK	MK	NK	OK	PK	QK	RK	SK	TK	UK	VK	WK	XK	YK	ZK	AK	BK	CK	DK	EK	FK	GK	HK	IK	JK	LK	MK	NK	OK	PK	QK	RK	SK	TK	UK	VK	WK	XK	YK	ZK	AK	BK	CK	DK	EK	FK	GK	HK	IK	JK	LK	MK	NK	OK	PK	QK	RK	SK	TK	UK	VK	WK	XK	YK	ZK
2,000,000 m	AJ	BJ	CJ	DJ	EJ	FJ	GJ	HJ	IJ	JJ	KJ	LJ	MJ	NJ	OJ	PJ	QJ	RJ	SJ	TJ	UJ	VJ	XJ	YJ	ZJ	AJ	BJ	CJ	DJ	EJ	FJ	GJ	HJ	IJ	JJ	KJ	LJ	MJ	NJ	OJ	PJ	QJ	RJ	SJ	TJ	UJ	VJ	XJ	YJ	ZJ	AJ	BJ	CJ	DJ	EJ	FJ	GJ	HJ	IJ	JJ	KJ	LJ	MJ	NJ	OJ	PJ	QJ	RJ	SJ	TJ	UJ	VJ	XJ	YJ	ZJ	AJ	BJ	CJ	DJ	EJ	FJ	GJ	HJ	IJ	JJ	KJ	LJ	MJ	NJ	OJ	PJ	QJ	RJ	SJ	TJ	UJ	VJ	XJ	YJ	ZJ	AJ	BJ	CJ	DJ	EJ	FJ	GJ	HJ	IJ	JJ	KJ	LJ	MJ	NJ	OJ	PJ	QJ	RJ	SJ	TJ	UJ	VJ	XJ	YJ	ZJ	AJ	BJ	CJ	DJ	EJ	FJ	GJ	HJ	IJ	JJ	KJ	LJ	MJ	NJ	OJ	PJ	QJ	RJ	SJ	TJ	UJ	VJ	XJ	YJ	ZJ
1,500,000 m	AI	BI	CI	DI	EI	FI	GI	HI	II	JI	KI	LI	MI	NI	OI	PI	QI	RI	SI	TI	UI	VI	XI	YI	ZI	AI	BI	CI	DI	EI	FI	GI	HI	II	JI	KI	LI	MI	NI	OI	PI	QI	RI	SI	TI	UI	VI	XI	YI	ZI	AI	BI	CI	DI	EI	FI	GI	HI	II	JI	KI	LI	MI	NI	OI	PI	QI	RI	SI	TI	UI	VI	XI	YI	ZI	AI	BI	CI	DI	EI	FI	GI	HI	II	JI	KI	LI	MI	NI	OI	PI	QI	RI	SI	TI	UI	VI	XI	YI	ZI	AI	BI	CI	DI	EI	FI	GI	HI	II	JI	KI	LI	MI	NI	OI	PI	QI	RI	SI	TI	UI	VI	XI	YI	ZI	AI	BI	CI	DI	EI	FI	GI	HI	II	JI	KI	LI	MI	NI	OI	PI	QI	RI	SI	TI	UI	VI	XI	YI	ZI
1,000,000 m	AO	BO	CO	DO	EO	FO	GO	HO	IO	JO	KO	LO	MO	NO	OO	PO	QO	RO	SO	TO	UO	VO	XO	YO	ZO	AO	BO	CO	DO	EO	FO	GO	HO	IO	JO	KO	LO	MO	NO	OO	PO	QO	RO	SO	TO	UO	VO	XO	YO	ZO	AO	BO	CO	DO	EO	FO	GO	HO	IO	JO	KO	LO	MO	NO	OO	PO	QO	RO	SO	TO	UO	VO	XO	YO	ZO	AO	BO	CO	DO	EO	FO	GO	HO	IO	JO	KO	LO	MO	NO	OO	PO	QO	RO	SO	TO	UO	VO	XO	YO	ZO	AO	BO	CO	DO	EO	FO	GO	HO	IO	JO	KO	LO	MO	NO	OO	PO	QO	RO	SO	TO	UO	VO	XO	YO	ZO	AO	BO	CO	DO	EO	FO	GO	HO	IO	JO	KO	LO	MO	NO	OO	PO	QO	RO	SO	TO	UO	VO	XO	YO	ZO
500,000 m	AN	BN	CN	DN	EN	FN	GN	HN	IN	JN	KN	LN	MN	NN	ON	PN	QN	RN	SN	TN	UN	VN	XN	YN	ZN	AN	BN	CN	DN	EN	FN	GN	HN	IN	JN	KN	LN	MN	NN	ON	PN	QN	RN	SN	TN	UN	VN	XN	YN	ZN	AN	BN	CN	DN	EN	FN	GN	HN	IN	JN	KN	LN	MN	NN	ON	PN	QN	RN	SN	TN	UN	VN	XN	YN	ZN	AN	BN	CN	DN	EN	FN	GN	HN	IN	JN	KN	LN	MN	NN	ON	PN	QN	RN	SN	TN	UN	VN	XN	YN	ZN	AN	BN	CN	DN	EN	FN	GN	HN	IN	JN	KN	LN	MN	NN	ON	PN	QN	RN	SN	TN	UN	VN	XN	YN	ZN	AN	BN	CN	DN	EN	FN	GN	HN	IN	JN	KN	LN	MN	NN	ON	PN	QN	RN	SN	TN	UN	VN	XN	YN	ZN
0 m	AM	BM	CM	DM	EM	FM	GM	HM	IM	JM	KM	LM	MM	NM	OM	PM	QM	RM	SM	TM	UM	VM	XM	YM	ZM	AM	BM	CM	DM	EM	FM	GM	HM	IM	JM	KM	LM	MM	NM	OM	PM	QM	RM	SM	TM	UM	VM	XM	YM	ZM	AM	BM	CM	DM	EM	FM	GM	HM	IM	JM	KM	LM	MM	NM	OM	PM	QM	RM	SM	TM	UM	VM	XM	YM	ZM	AM	BM	CM	DM	EM	FM	GM	HM	IM	JM	KM	LM	MM	NM	OM	PM	QM	RM	SM	TM	UM	VM	XM	YM	ZM	AM	BM	CM	DM	EM	FM	GM	HM	IM	JM	KM	LM	MM	NM	OM	PM	QM	RM	SM	TM	UM	VM	XM	YM	ZM	AM	BM	CM	DM	EM	FM	GM	HM	IM	JM	KM	LM	MM	NM	OM	PM	QM	RM	SM	TM	UM	VM	XM	YM	ZM
	AL	BL	CL	DL	EL	FL	GL	HL	JL	KL	LL	ML	NL	OL	PL	QL	RL	SL	TL	UL	VL	WL	XL	YL	ZL	AL	BL	CL	DL	EL	FL	GL	HL	JL	KL	LL	ML	NL	OL	PL	QL	RL	SL	TL	UL	VL	WL	XL	YL	ZL	AL	BL	CL	DL	EL	FL	GL	HL	JL	KL	LL	ML	NL	OL	PL	QL	RL	SL	TL	UL	VL	WL	XL	YL	ZL	AL	BL	CL	DL	EL	FL	GL	HL	JL	KL	LL	ML	NL	OL	PL	QL	RL	SL	TL	UL	VL	WL	XL	YL	ZL	AL	BL	CL	DL	EL	FL	GL	HL	JL	KL	LL	ML	NL	OL	PL	QL	RL	SL	TL	UL	VL	WL	XL	YL	ZL	AL	BL	CL	DL	EL	FL	GL	HL	JL	KL	LL	ML	NL	OL	PL	QL	RL	SL	TL	UL	VL	WL	XL	YL	ZL

FIGURE B-4 USE THIS DIAGRAM FOR BESSEL 1841 ELLIPSOID IN THE NORTH AND SOUTH HEMISPHERES.

FIGURE B-4. USE THIS DIAGRAM FOR BESSEL 1841 ELLIPSOID IN THE NORTH AND SOUTH HEMISPHERES.

APPENDIX C

GUIDE TO GEODETTIC STATUS OF LARGE SCALE MAPPING

GUIDE TO GEODETTIC STATUS¹ OF LARGE SCALE MAPPING

DATUM CODES

- A Map sheets are on preferred datum.
- B Mapping is being converted to preferred datum.
- C Map sheets are not on preferred datum.
- * Insufficient or unavailable information.

GRID CODES

- 1 Map sheets portray UTM or UPS grid.
- 2 Map sheets portray a nonstandard preferred grid.
- 3 Mapping is being converted to a preferred grid.
- 4 Map sheets portray a non preferred grid.
- * Insufficient or unavailable information.

SERIES	AREA	DATUM/GRID
A741	CANADA	B 1
A742	CANADA	B 1
C762	ICELAND	C 1
E703	LESSER ANTILLES	* *
E712	BAHAMAS; TURKS AND CAICOS	* *
E714	BAHAMAS	* *
E721	JAMAICA	C 1
E722	CAYMAN ISLANDS	* *
E724	CUBA	C 1
E732	HAITI	C 1

E733	DOMINICAN REPUBLIC	C 1
E735	PUERTO RICO	B 1
E736	VIRGIN ISLANDS	B 1
E741	MARTINIQUE	C 4
E742	TRINIDAD AND TOBAGO	C 4
E751	NICARAGUA	B 1
E752	HONDURAS	B 1
E753	EL SALVADOR	B 1
E754	GUATEMALA	C 1
E755	BELIZE	C 1
E762	PANAMA	B 1
E763	COSTA RICA	B 1
E772	COLOMBIA	**
E785	VENEZUELA	C 1
E792	GUYANA	**
E793	SURINAME	**
E794	FRENCH GUIANA	**
F701	MEXICO	**
G712	CAPE VERDE	**
G722 ²	MALI	C 1
G723 ²	MAURITANIA	C 1
G72 ²	THE GAMBIA	C 1
G725 ²	SENEGAL	C 1
G726 ²	WESTERN SAHARA	C 1
G731 ²	NIGER	C 1
G742 ²	SIERRA LEONE	C 1
G744 ²	LIBERIA	C 1

G745 ²	GUINEA-BISSAU	C 1
G746 ²	GUINEA	C 1
G751	GHANA	C *
G753 ²	BENIN	C 1
G754 ²	IVORY COAST	C 1
G755 ²	TOGO	C 1
G756 ²	BURKINA	C 1
G764 ²	NIGERIA	C 1
G771 ²	EQUATORIAL GUINEA	C 1
G772 ²	CAMEROON	C 1
G773 ²	EQUATORIAL GUINEA	C 1
G774 ²	CONGO	C 1
G775 ²	GABON	C 1
G781 ²	CENTRAL AFRICAN REPUBLIC	C 1
G782 ²	CHAD	C 1
G791 ²	SAO TOME AND PRINCIPE	C 1
G792	ST HELENA	**
G793	ST HELENA	**
H701	ARGENTINA	**
H702	BRAZIL	C 1
H733	BOLIVIA	B 1
H741	PARAGUAY	C 1
H771	URUGUAY	C 1
J701	CHILE	C 1
J722	ECUADOR	C 1
J731	PERU	B 1
K717	CYPRUS	A 1

K723 ²	SYRIA	C 1
K724 ²	LEBANON	C 1
K724S ²	LEBANON	C 1
K725 ²	SYRIA	C 1
K737 ²	JORDAN	C 1
K737 ²	JORDAN	C 1
K73 ²	ISRAEL	C 1
K743	IRAQ	B 1
K753	RAN	B 1
K7610	BAHRAIN	C 1
K7614	KUWAIT	A 1
K7615	UNITED ARAB EMIRATES	A 1
K7617	QATAR	A 1
K7619	YEMEN (SANAA)	A 1
K762	YEMEN (ADEN)	C 1
K763	SAUDI ARABIA	**
K768	OMAN	C 1
L7001	TAIWAN, HONG KONG, MACAU	C 1
L7010	MALAYSIA	C 4
L7014	VIETNAM	C 1
L7015	LAOS	C 1
L7016	CAMBODIA	C 1
L7017	THAILAND	C 1
L7021	CHINA	**
L7023	MONGOLIA	**
L752	SOUTH KOREA, NORTH KOREA	A 1
L753	SOUTH KOREA, NORTH KOREA	A 1

L776	JAPAN	A 1
M619	SWEDEN	C 1
M7020	ALBANIA	A 1
M704	BULGARIA	A 1
M705	ROMANIA	B 1
M709	YUGOSLAVIA	A 1
M711	NORWAY	B 1
M713	FINLAND	B 1
M715	DENMARK	A 1
M716	SWEDEN	C 1
M726	UNITED KINGDOM	A 2
M733	NETHERLANDS	A 1
M736	BELGIUM	A 1
M745	WEST GERMANY, EAST GERMANY	A 1
M753	POLAND	B 1
M761	FRANCE	A 1
M771	AUSTRIA	A 1
M774	CZECHOSLOVAKIA	B 1
M775	HUNGARY	B 1
M781	SPAIN	A 1
M7812	AZORES	**
M782	PORTUGAL	A 1
M783	BALLEARIC ISLANDS	A 1
M792	ITALY	A 1
M795	SWITZERLAND	C 1
M796	MALTA	**
N701	USSR	B 1

N7011	USSR	A 1
N707	USSR	A 1
N709	USSR	**
P711	CANARY ISLANDS	**
P722	MADEIRAS ISLANDS	**
P733 ²	MOROCCO	C 4
P741S	ALGERIA	**
743 ²	ALGERIA	C 4
P751 ²	TUNISIA	C 4
P761 ²	LIBYA	C 1
P761S ²	LIBYA	C 1
P773 ²	EGYPT	C 1
P777 ²	EGYPT	C 1
Q701	UNITED STATES	C 1
R712	AUSTRALIA	**
R722	AUSTRALIA	**
R733	AUSTRALIA	C 1
R742	AUSTRALIA	**
R753	AUSTRALIA	**
R754	AUSTRALIA	**
R777	NEW ZEALAND	**
S701	PHILIPPINES	C 1
T702	PAPUA NEW GUINEA	**
T7113	INDONESIA	C 1
T725	INDONESIA	**
T728	INDONESIA	C *
T731	INDONESIA	C *

T735	MALAYSIA, BRUNEI	C 4
T753	INDONESIA	* *
U711	AFGHANISTAN	C 1
U722	PAKISTAN	B 3
U723	BANGLADESH	B 3
U744	BURMA	* *
U753	INDIA	B 3
U763	NEPAL	* *
U771	SRI LANKA	B 3
U782	BRITISH INDIAN OCEAN TERRITORY	* *
U784	MALDIVES	* *
V712	UNITED STATES	B 1
V713	UNITED STATES	B 1
V714	UNITED STATES	B 1
V715	UNITED STATES	B 1
V716	UNITED STATES	B 1
V721	UNITED STATES	B 1
V722	UNITED STATES	B 1
V731	UNITED STATES	B 1
V733	UNITED STATES	B 1
V734	UNITED STATES	B 1
V741	UNITED STATES	B 1
V742	UNITED STATES	B 1
V743	UNITED STATES	B 1
V744	UNITED STATES	B 1
V745	UNITED STATES	B 1
V746	UNITED STATES	B 1

V747	UNITED STATES	B 1
V751	UNITED STATES	B 1
V752	UNITED STATES	B 1
V753	UNITED STATES	B 1
V754	UNITED STATES	B 1
V761	UNITED STATES	B 1
V762	UNITED STATES	B 1
V763	UNITED STATES	B 1
V772	UNITED STATES	B 1
V774	UNITED STATES	B 1
V775	UNITED STATES	B 1
V776	UNITED STATES	B 1
V777	UNITED STATES	B 1
V778	UNITED STATES	B 1
V779	UNITED STATES	B 1
V781	UNITED STATES	B 1
V782	UNITED STATES	B 1
V783	UNITED STATES	B 1
V784	UNITED STATES	B 1
V785	UNITED STATES	B 1
V791	UNITED STATES	B 1
V792	UNITED STATES	B 1
V793	UNITED STATES	B 1
V794	UNITED STATES	B 1
V795	UNITED STATES	B 1
V796	UNITED STATES	B 1
V796	UNITED STATES	B 1

V797	UNITED STATES	B 1
V798	UNITED STATES	B 1
W721	WAKE ISLAND	**
W733	UNITED STATES	A 1
W743	GUAM, NORTHERN MARIANAS	A 1
W756	CAROLINE ISLANDS	**
W761	MARSHALL ISLANDS	**
X701	FRENCH POLYNESIA	**
X711	SOLOMAN ISLAND	**
X721	VANUATU	**
X731	NEW CALEDONIA	**
X7411	TUVALU	**
X746	KIRIBATI AND PHOENIX ISLAND	**
X747	WALLIS AND FUTUNA	**
X754	FIJI	**
X765	AMERICAN SAMOA	**
X769	WESTERN SAMOA	**
X773	TONGA	**
Y627	DJIBOUTI	C 1
Y628	ETHIOPIA	C 1
Y712	SUDAN	**
Y722 ²	ETHIOPIA	C 1
Y724	SOMALIA	C 1
Y731	KENYA	**
Y732	UGANDA	**
Y741	TANZANIA	**
Y742	ZANZIBAR ISLAND	**

Y752	SEYCHELLES	**
Y761	MOZAMBIQUE	**
Y775	MADAGASCAR	**
Y783	MAURITIUS	**
Y784	REUNION	**
Z703	ZAIRE	**
Z721	BURUNDI	**
Z722	RWANDA	**
Z731	ANGOLA	**
Z741	ZAMBIA	**
Z742	MALAWI	**
Z745	ZIMBABWE	**
Z752	NAMIBIA	**
Z753	SOUTH AFRICA	**
Z762	BOTSWANA	**
Z772	SWAZILAND	**
Z783	LESOTHO	**
Z7842	SOUTH AFRICA	C 1

¹This guide provides information concerning unclassified mapping only. It is based on an appraisal of a majority of the maps available in the series. For information regarding map series not listed contact DMA (PR).

²This will be the correct status for these series if the present configuration of Appendix D is approved.

**APPENDIX D
INDEX TO
PREFERRED GRIDS,
DATUMS AND
ELLIPSOIDS SPECIFIED
FOR NEW MAPPING**

APPENDIX D. This appendix is not available.