

ENR 4. RADIOAYUDAS Y SISTEMAS DE NAVEGACION
ENR 4.1 RADIOAYUDAS PARA LA NAVEGACION – EN RUTA

ESTACION	ID	FREQ	HORARIO	COORDENADAS	ELEV ANTENA DME	OBSERVACIONES
1	2	3	4	5	6	7
ACAPULCO	VOR/DME/ACA	115.9 MHZ	H24	16 45 30.50 N 099 45 14.27 W	NIL	100 W
AGUASCALIENTES	VOR/DME/AGU	113.6 MHZ	H24	21 42 41.04 N 102 19 08.57 W	NIL	100 W
ALLENDE	VOR/DME/ELQ	114.1 MHZ	H24	265753N 1052546W	NIL	NIL
CABOS	VOR/DME/SJD	114.0 MHZ	H24	23 08 46.18 N 109 43 17.54 W	NIL	100 W
CAMPECHE	VOR/DME/CPE	116.2 MHZ	H24	19 49 51.00 N 090 30 14.20 W	NIL	50 W
CANCUN	VOR/DME/CUN	113.6 MHZ	H24	21 01 30.39 N 086 51 31.38 W	NIL	100 W
CARMEN	VOR/DME/CME	113.0 MHZ	H24	18 39 37.58 N 091 48 18.53 W	NIL	100 W
COLIMA	VOR/DME/COL	117.7 MHZ	H24	19 16 30.46 N 103 34 44.42 W	NIL	100 W
CONCEPCION	VOR/DME/CDR	117.1 MHZ	H24	24 09 35.00 N 101 29 14.59 W	NIL	100 W
COZUMEL	VOR/DME/CZM	112.5 MHZ	H24	20 30 26.90 N 086 54 43.20 W	NIL	200 W
CREEL	VOR/DME/CRL	117.40 MHZ	H24	274315.05N 1073824.68W	NIL	NIL
CUAUTLA	VOR/DME/CUA	116.3 MHZ	H24	18 47 07.39 N 098 54 02.70 W	NIL	50 W
CUERNAVACA	VOR/DME/CVJ	113.9 MHZ	H24	18 49 30.85 N 099 16 09.29 W	NIL	100 W
CULIACAN	VOR/DME/CUL	112.2 MHZ	H24	24 45 52.13 N 107 28 38.42 W	NIL	200 W
CHETUMAL	VOR/DME/CTM	116.3 MHZ	H24	18 30 33.47 N 088 20 01.15 W	NIL	50 W
CHIHUAHUA	VOR/DME/CUU	114.2 MHZ	H24	28 42 58.98 N 105 57 31.44 W	NIL	100 W
DURANGO	VOR/DME/DGO	112.9 MHZ	H24	24 08 16.82 N 104 30 59.10 W	NIL	50 W
ESCONDIDO	VOR/DME/PXM	112.5 MHZ	H24	15 52 30.38 N 097 04 54.17 W	NIL	50W
GUADALAJARA	VOR/DME/GDL	117.3 MHZ	H24	20 31 24.32 N 103 18 41.80 W	NIL	100 W
GUAYMAS	VOR/DME/GYM	112.1 MHZ	H24	27 57 56.04 N 110 55 40.40 W	NIL	100 W
HERMOSILLO	VOR/DME/HMO	112.8 MHZ	H24	29 05 43.96 N 111 03 07.44 W	NIL	100 W
HUATULCO	VOR/DME/HUX	113.2 MHZ	H24	15 46 39.99 N 096 15 41.16 W	NIL	100 W
IXTEPEC	VOR/DME/IZT	112.2 MHZ	H24	16 27 49.932 N 095 05 42.406 W	NIL	50 W
JUAREZ	VOR/DME/CJS	116.7 MHZ	H24	31 38 10.16 N 106 25 36.65 W	NIL	200 W
KAUA	VOR/DME/CZA	116.5 MHZ	H24	20 38 35.01 N 088 26 53.63 W	NIL	100 W
LA PAZ	VOR/DME/LAP	112.3 MHZ	H24	24 05 08.17 N 110 21 31.18 W	NIL	100 W
LEON	VOR/DME/BJX	115.8 MHZ	H24	20 59 51.21 N 101 28 57.32 W	NIL	100 W
LORETO	VOR/DME/LTO	113.2 MHZ	H24	25 58 50.36 N 111 20 58.30 W	NIL	50 W
LUCAS	VOR/DME/CSL	116.6 MHZ	H24	22 56 48.97 N 109 55 54.80 W	NIL	50 W
LUCIA	DVOR/DME/SLM	116.6 MHZ	H24	19 44 26.93 N 099 00 21.36 W	NIL	
MANZANILLO	VOR/DME/ZLO	116.9 MHZ	H24	19 08 57.89 N 104 34 16.67 W	NIL	100 W
MATAMOROS	VOR/DME/MAM	114.3 MHZ	H24	25 46 15.02 N 097 31 26.06 W	NIL	200 W
MAZATLAN	VOR/DME/MZT	114.9 MHZ	H24	23 09 37.88 N 106 16 15.47 W	NIL	100 W
MERIDA	VOR/DME/MID	117.7 MHZ	H24	20 56 16.97 N 089 39 22.40 W	NIL	100 W
MEXICALI	VOR/DME/MXL	115.0 MHZ	H24	32 37 51.80 N 115 14 15.33 W	NIL	200 W
MEXICO	VOR/DME/MEX	115.9 MHZ	H24	19 26 17.58 N 099 04 07.68 W	NIL	200 W
MINATITLAN	VOR/DME/MTT	116.4 MHZ	H24	18 06 10.37 N 094 34 56.24 W	NIL	50W

ESTACION	ID	FREQ	HORARIO	COORDENADAS	ELEV ANTENA DME	OBSERVACIONES
1	2	3	4	5	6	7
MOCHIS	VOR/DME/LMM	115.5 MHZ	H24	25 40 57.40 N 109 04 17.69 W	NIL	50 W
MONCLOVA	VOR/DME/MOV	117.9 MHZ	H24	26 57 19.80 N 101 28 15.74 W	NIL	100 W
MONTERREY	VOR/DME/MTY	114.7 MHZ	H24	25 46 22.37 N 100 06 14.28 W	NIL	100 W
MORELIA	VOR/DME/MLM	114.6 MHZ	H24	19 50 37.60 N 101 02 13.35 W	NIL	50 W
NEGRO	NDB/GRN	382 KHZ	H24	28 01 36.84 N 114 01 20.33 W	NIL	100 W
NEWLA	VOR/DME/NLD	112.6 MHZ	H24	27 26 21.80 N 099 33 52.50 W	NIL	200 W
NICHUPTE	VOR/DME/NCP	114.5 MHZ	H24	210218.40 N 0865119.29 W	NIL	200 W
NORIA	VOR/DME/TTM	114.4 MHZ	H24	22 58 04.25 N 099 46 21.67 W	NIL	100 W
OAXACA	VOR/DME/OAX	112.0 MHZ	H24	16 58 20.12 N 096 43 52.90 W	NIL	200 W
OBREGON	VOR/DME/CEN	115.1 MHZ	H24	27 23 41.13 N 109 50 14.22 W	NIL	50 W
PALENQUE	VOR/DME/PQE	115.0 MHZ	H24	173213.69 N 0920153.62 W	NIL	50 W
PASTEJE	VOR/DME/PTJ	114.5 MHZ	H24	19 38 44.51 N 099 47 52.90 W	NIL	100 W
PEÑASCO	VOR/DME/PPE	114.9 MHZ	H24	31 22 02.10 N 113 18 05.12 W	NIL	100 W
PIEDRAS	VOR/DME/PNG	113.6 MHZ	H24	28 37 54.64 N 100 32 18.19 W	NIL	100 W
POZA RICA	VOR/DME/PAZ	115.5 MHZ	H24	20 36 02.03 N 097 27 18.28 W	NIL	100 W
POTOSI	VOR/DME/SLP	117.2 MHZ	H24	22 15 23.00 N 100 55 49.53 W	NIL	50 W
PUEBLA	VOR/DME/PBC	115.2 MHZ	H24	19 09 39.31 N 098 22 12.63 W	NIL	50 W
QUERETARO	VOR/DME/QET	113.0 MHZ	H24	20 37 02.85 N 100 11 37.06 W	NIL	100 W
QUINTIN	VOR/DME/SQN	113.3 MHZ	H24	30 32 43.29 N 115 57 20.35 W	NIL	100 W
REYNOSA	VOR/DME/REX	112.4 MHZ	H24	26 00 38.27 N 098 13 54.73 W	NIL	200 W
ROBERTO	VOR/DME/ADN	115.4 MHZ	H24	25 51 55.59 N 100 14 19.66 W	NIL	100 W
SALTILLO	VOR/DME/SLW	116.1 MHZ	H24	25 32 46.01 N 100 55 47.32 W	NIL	200 W
TAMPICO	VOR/DME/TAM	117.5 MHZ	H24	22 17 22.57 N 097 51 46.88 W	NIL	100 W
TAMUIN	VOR/DME/TMN	113.3 MHZ	H24	22 02 18.54 N 098 48 28.61 W	NIL	200 W
TAPACHULA	VOR/DME/TAP	115.3 MHZ	H24	14 47 31.88 N 092 22 32.56 W	NIL	50 W
TEPIC	VOR/DME/TNY	113.9 MHZ	H24	21 25 35.46 N 104 50 13.13 W	NIL	50 W
TEQUESQUITENGO	VOR/DME/TEQ	113.1 MHZ	H24	18 40 33.90 N 099 15 19.13 W	NIL	100 W
TIJUANA	VOR/DME/TIJ	116.5 MHZ	H24	32 32 25.59 N 116 57 09.72 W	NIL	100 W
TOLUCA	VOR/DME/TLC	114.3 MHZ	H24	19 19 58.32 N 099 33 39.72 W	NIL	50 W
TORREON	VOR/DME/TRC	116.4 MHZ	H24	25 33 50.27 N 103 24 30.27 W	NIL	200 W
TULUM	VOR/DME/TQO	115.0 MHZ	H24	20 09 37.49 N 087 38 18.82 W	NIL	100 W
TUXTLA	VOR/DME/TGZ	115.7 MHZ	H24	16 34 14.08 N 093 01 48.35 W	NIL	100 W
URUAPAN	VOR/DME/UPN	114.2 MHZ	H24	19 23 44.72 N 102 02 27.92 W	NIL	100 W
VALLARTA	VOR/DME/PVR	116.5 MHZ	H24	20 41 31.02 N 105 14 21.54 W	NIL	200 W
VERACRUZ	VOR/DME/VER	114.0 MHZ	H24	19 08 35.64 N 096 11 20.87 W	NIL	200 W
VICTORIA	VOR/DME/CVM	113.7 MHZ	H24	23 42 19.91 N 098 57 32.50 W	NIL	100 W
VILLAHERMOSA	VOR/DME/VSA	116.7 MHZ	H24	17 59 55.90 N 092 49 05.55 W	NIL	100 W
ZACATECAS	VOR/DME/ZCL	117.6 MHZ	H24	22 53 14.71 N 102 41 35.73 W	NIL	50 W
ZAPOPAN	VOR/DME/ZAP	113.4 MHZ	H24	20 44 59.00 N 103 27 54.00 W	NIL	NIL
ZIHUATANEJO	VOR/DME/ZIH	113.8 MHZ	H24	17 36 11.39 N 101 28 36.19 W	NIL	100 W

ENR 4.2 SISTEMAS ESPECIALES DE NAVEGACIÓN

En México operan únicamente los sistemas de navegación publicados en ENR 4.1.

ENR 4.3 SISTEMA MUNDIAL DE NAVEGACIÓN POR SATÉLITE (GNNS)

En preparación

ENR 4.4 DESIGNADORES O NOMBRES EN CLAVE PARA PUNTOS SIGNIFICATIVOS
ENR 4.4 NAME-CODE DESIGNATORS FOR SIGNIFICANT POINTS

DESIGNADOR EN CLAVE NAME-CODE DESIGNATOR	COORDENADAS COORDINATES	RUTA ATS U OTRA RUTA, TMA ATS ROUTE OR OTHER ROUTE, TMA
1	2	3
ADRAX	20 44 29 N 098 55 14 W	V11, V15, J21, UJ35
ADSUN	21 30 56 N 087 20 11 W	UM782
AGAVE	18 14 04 N 092 27 24 W	V3, V16, UJ9
AGLEN	20 26 09 N 098 56 48 W	V11, V15, J21, UJ35
AGLON	17 24 18 N 100 18 22 W	UJ3, UT145
AGNID	28 55 10 N 103 58 37 W	UT3
AGNIX	21 53 24 N 087 42 14 W	M782, UM782
AGPOD	23 18 01 N 090 45 31 W	L208, UL208, UM580, UT63
AJORO	22 48 26 N 105 39 25 W	UJ7
AKACU	31 20 44 N 110 51 18 W	V393
ALESA	17 24 40 N 096 13 36 W	UJ47, UJ70
ALGUN	29 43 02 N 109 58 08 W	J26, UT12
ALILI	22 37 57 N 105 49 46 W	V3, V5, UJ12
ALIPA	21 17 29 N 102 01 39 W	V16, UJ63
ALIPO	18 32 43 N 101 17 36 W	V39, UJ3, UJ17, UT145
ALITA	19 29 37 N 098 23 24 W	T171, UT171
ALITO	13 03 30 N 099 25 30 W	UL312
ALKEM	29 48 28 N 104 35 13 W	V81
ALKEN	23 34 36 N 103 59 55 W	UJ63
ALKIM	23 43 40 N 087 34 20 W	M215, UM215, UT38, UT45
ALMET	19 30 41 N 097 49 22 W	T172, UT172
ALMUN	32 28 35 N 117 15 03 W	UL312
ALMUV	20 44 07 N 095 11 22 W	UT20, UT46
ALNUB	26 34 33 N 110 43 11 W	J92, UJ2
ALNUS	17 35 42 N 099 46 18 W	V15W, UJ45, UT117, UT120
ALOMA	22 00 07 N 101 17 12 W	J25, UT134, UT135
ALOVO	23 32 38 N 101 18 19 W	V39, UJ40, UT136
ALPAP	20 18 19 N 105 04 14 W	V1, J141
ALPOK	31 13 17 N 106 13 17 W	UJ54
ALPOM	20 42 12 N 090 34 22 W	UJ18, UT20, UT42, UT94
ALPUK	23 17 46 N 086 20 03 W	UM219, UM346
ALRES	25 16 32 N 104 51 23 W	UJ10
ALRIN	24 08 09 N 109 02 35 W	V52, UJ23
ALRUM	28 06 46 N 108 30 00 W	UT7
ALSAL	14 15 00 N 092 41 00 W	UL318
ALSEB	19 39 49 N 102 45 48 W	UJ27
ALSEG	21 52 12 N 087 41 03 W	B646, UB646, UM782
ALSUP	19 40 16 N 086 54 32 W	B881, UB881, T32, T51, T57, UT32, UT51, UT57
ALUEN	18 25 26 N 094 02 39 W	V23, UJ12, UJ16
ALUNI	20 17 31 N 098 16 05 W	V34, UJ102, T163, UT163
ALURU	22 27 57 N 086 00 00 W	R522, UR522, UL674
ALUSU	20 26 36 N 099 10 29 W	UJ47, UJ81
ALUXO	27 48 22 N 100 24 38 W	V15, V39

DESIGNADOR EN CLAVE NAME-CODE DESIGNATOR	COORDENADAS COORDINATES	RUTA ATS U OTRA RUTA, TMA ATS ROUTE OR OTHER ROUTE, TMA
1	2	3
ALUXU	23 07 59 N 097 08 52 W	UT48, UT151
AMAGA	23 04 11 N 103 52 44 W	UQ103, UT1
AMALU	25 28 33 N 103 51 31 W	UJ10
AMARI	23 36 58 N 110 02 20 W	V1, J1, UJ9
AMAVO	21 13 15 N 104 04 41 W	UJ3
AMEDA	25 52 19 N 107 53 38 W	T12, UT12
AMEKU	18 29 52 N 098 59 11 W	V16, V21, V27, J13, UJ55
AMIDA	18 37 46 N 087 18 06 W	G521, UG521, T57, UT57
AMIDI	16 49 28 N 098 53 17 W	V3, UJ16
AMORI	24 57 54 N 097 14 25 W	J177, UT11
AMOVA	21 16 46 N 101 48 42 W	V22, J13, UT127
AMUDI	32 22 45 N 114 50 38 W	V41, UJ7
AMUKI	29 30 58 N 104 17 39 W	J42
AMULA	21 38 21 N 103 40 36 W	UJ7, UJ27
AMUSI	16 07 12 N 099 11 37 W	UL344
ANADI	19 35 20 N 087 34 16 W	G765, V71, UG765, T91
ANADU	20 19 06 N 096 00 48 W	UT106, UT155
ANALU	17 29 24 N 099 19 53 W	V21, UJ55, UT116
ANEGI	27 35 13 N 105 36 55 W	V2, UJ46
ANEGO	23 53 47 N 110 33 53 W	UL312, UT67
ANEPU	18 20 20 N 087 56 30 W	B764, UB764, T51, UT51
ANEVU	19 35 38 N 100 17 09 W	V5, V27, UJ12, UT144
ANIDA	20 14 08 N 101 11 16 W	V39, UJ40
ANIKO	19 02 55 N 086 54 23 W	B881, UB881, M209, UM209
ANILA	21 30 28 N 101 49 49 W	V27, UJ33, UT60
ANILO	21 55 01 N 097 39 43 W	T61, UT61
ANREX	13 17 54 N 094 27 12 W	UL308
ANTEK	21 11 59 N 086 23 11 W	UJ18
ANTEL	29 47 57 N 113 36 33 W	UT4, UT25
ANVAN	16 29 28 N 098 55 54 W	V1, J1, UJ9
APMEL	19 33 49 N 089 33 02 W	UA758, UT30
ASOKU	16 04 36 N 091 22 56 W	UL655, UT152
ASUTA	32 39 09 N 115 39 11 W	J93, UT41, UT50
ATOXO	19 57 02 N 102 56 44 W	UJ27, UT119
ATUKA	19 41 55 N 098 15 44 W	T70
ATUMI	23 19 36 N 110 05 18 W	V9, V393
ATURO	20 26 44 N 099 15 05 W	UT133, UT134, UT135
ATUTO	17 49 00 N 090 24 36 W	UM207
AUTLA	15 38 47 N 096 09 51 W	UL308
AVALI	20 11 30 N 096 44 44 W	T61, UL655, UM580, UT48, UT61, UT149, UT152, UT155, UT169
AVAPA	29 56 51 N 109 33 35 W	J26, UT11
AVATA	20 58 30 N 088 38 21 W	UJ18
AVAVU	23 09 08 N 109 16 06 W	V1, J29

DESIGNADOR EN CLAVE NAME-CODE DESIGNATOR	COORDENADAS COORDINATES	RUTA ATS U OTRA RUTA, TMA ATS ROUTE OR OTHER ROUTE, TMA
1	2	3
AVENA	32 16 10 N 116 27 18 W	UT18
AVINA	16 41 47 N 095 50 13 W	V3, J13, UT113
AVISU	23 37 36 N 103 57 00 W	UT60
AVIVI	20 11 50 N 095 00 00 W	UT19, UT156
AVOMA	21 42 21 N 090 00 36 W	L208, UL208
AVOXU	24 38 42 N 105 14 32 W	UT49
AVPUS	22 02 44 N 100 32 33 W	UJ47, UT149
AVRAV	24 03 07 N 096 38 41 W	UM575, UT37
AVRIK	20 52 23 N 101 03 25 W	V22, UT150
AVRIL	31 51 34 N 114 46 58 W	V3, UJ3, UQ104, UT25
AVROD	20 49 11 N 103 24 29 W	UJ7, UJ27
AVROX	18 00 10 N 101 36 02 W	V3, UJ7
AVSEB	20 22 13 N 086 13 31 W	L577, UM782, UL577
AVSEN	22 38 31 N 097 37 21 W	UM575
AVSUB	21 25 24 N 099 24 46 W	V17, UJ14, UJ47, UJ81, UT149
AVTAL	25 00 03 N 106 13 15 W	UJ10
AVTEN	29 40 18 N 111 58 49 W	UT8, UT18
AVTUD	18 19 21 N 095 20 34 W	UJ5
AVTUX	18 43 36 N 096 11 54 W	UJ70
AVUMO	23 13 18 N 097 57 12 W	V387, UJ53
AVURI	24 44 42 N 100 03 41 W	UJ38, UQ101
AVURO	17 13 29 N 100 41 58 W	V1, V3, J1, UJ9
AVUVA	25 18 16 N 103 02 51 W	V11, UJ46
AXABA	23 44 02 N 102 54 58 W	V47, J13, J42, UT135
AXAKO	18 26 53 N 101 44 28 W	V3, UJ7
AXANI	25 36 33 N 098 21 38 W	V46, UJ17
AXARO	23 13 18 N 086 39 39 W	UL333, UM346
AXASA	32 20 16 N 115 03 50 W	J93, UT25, UT41, UT60
AXEDO	23 30 41 N 100 55 48 W	UJ31, UT44
AXELI	19 05 57 N 095 45 02 W	V28, UJ28
AXEPA	28 15 30 N 104 44 26 W	UJ2
AXESU	23 24 38 N 099 49 26 W	UJ81
AXEVU	21 47 52 N 087 50 21 W	A766, B646, UA766, UB646
AXEXO	25 19 29 N 094 35 09 W	UM345
AXIDO	21 43 49 N 088 47 02 W	UT17, UT55
AXIMA	19 26 50 N 089 51 58 W	A770, V36, UA770, UJ61, UT30
AXIPU	25 21 23 N 097 33 56 W	V25, UJ59
AXIRI	20 26 24 N 099 04 22 W	UT136, UT137, UT138
AXOBI	20 11 43 N 101 16 31 W	V16, UJ63
AXOKA	21 08 15 N 107 31 11 W	UL312
AXOMU	21 04 10 N 095 00 00 W	R552, UM346, UR552, UT31, UT106
AXORO	19 30 58 N 096 23 10 W	T61, UT61
AXOVI	22 48 10 N 091 46 43 W	L207, UL207, UM580
AXUDA	21 07 17 N 091 03 02 W	L207, UL207, UT24
AXUKU	20 46 54 N 090 53 37 W	UT19
AXUNO	26 37 08 N 109 43 54 W	UJ14, UT8

DESIGNADOR EN CLAVE NAME-CODE DESIGNATOR	COORDENADAS COORDINATES	RUTA ATS U OTRA RUTA, TMA ATS ROUTE OR OTHER ROUTE, TMA
1	2	3
BALCE	23 00 14 N 109 17 45 W	UT14, UT73, UT153
BAMPO	27 05 08 N 109 41 50 W	V3, V41, UJ3
BASKO	18 50 18 N 093 20 33 W	V28, UJ16, UJ28
BECON	31 47 18 N 106 42 45 W	J13, UT9, UT16
BEMOX	20 57 35 N 089 04 49 W	V44, UJ18, UT22
BEPOR	21 17 47 N 088 04 28 W	V3, UJ16, UT23
BEROS	24 48 59 N 100 55 48 W	V26, UJ11, UJ31
BESAN	19 08 58 N 099 28 31 W	V27, J13, UT117, UT118, UT170
BESEK	21 51 04 N 090 21 42 W	UR522, UT63
BESOG	22 26 40 N 092 30 40 W	UM580, UT37
BETAS	22 40 28 N 089 44 45 W	A770, UA770, L209, M209, UL209, UM209, UT55
BEXIN	18 57 30 N 104 10 48 W	V1, J1
BEXOL	22 11 00 N 106 20 52 W	UT4, UT15
BISGA	25 57 21 N 103 34 08 W	UJ47
BITVE	31 20 44 N 110 48 36 W	V625
BOBDI	21 22 46 N 105 44 48 W	UT4, UT73
BOKMO	27 36 44 N 106 23 40 W	UJ54
BOKTA	25 05 27 N 107 45 46 W	V53, UJ7
BOLTA	19 16 03 N 095 46 05 W	UJ18, UT94
BOPAP	30 06 53 N 111 00 23 W	J92, UL655, UT152
BOPAX	21 59 08 N 101 37 32 W	V61, UT147
BOPEM	24 42 59 N 103 45 23 W	V37, UJ37
BOSAS	24 20 55 N 095 11 54 W	UM345, UT11
BOTOP	20 45 56 N 086 36 25 W	G765, UG765, UM782
BRISA	21 51 25 N 104 47 13 W	V37, UJ3, UJ37
BUBEV	20 59 54 N 105 32 32 W	UT6
BUBUN	21 13 11 N 087 43 32 W	V3, UJ16, UT23
CAEAR	21 37 38 N 089 09 03 W	M215, UM215
CAFIS	25 04 02 N 105 51 21 W	J141, UJ10, UT49
CALIZ	20 22 10 N 099 27 33 W	T70, T80
CAMUI	26 07 55 N 098 40 29 W	V2, V13, UJ2, UJ13
CANOZ	20 06 32 N 089 46 23 W	A770, UA770
CAPUL	22 39 42 N 104 52 15 W	UJ33
CHALY	20 09 32 N 097 53 23 W	T171, UT105, UT171
CLONN	25 38 00 N 095 31 00 W	UM575, UT26
COAPA	21 30 19 N 096 55 23 W	UM345, UT48
CODLE	25 17 55 N 104 53 09 W	UJ27
COFRE	21 49 32 N 093 43 28 W	UM206, UM580, UT23, UT85, UT106
CONAR	21 13 54 N 085 47 17 W	L333, R506, UL333, UR506
CONTO	18 56 51 N 091 29 14 W	V3, V16, V30, UJ9
CONWA	17 27 05 N 097 26 42 W	V16, V27, J13, UT113
COPAS	25 16 48 N 109 24 00 W	V8, UJ8
COPOS	20 43 34 N 096 49 03 W	UR522, UT31, UT48, UT154
COYOL	22 12 46 N 100 28 58 W	V47, UT147
CUEVA	23 23 17 N 098 32 15 W	V23
DAJOR	26 29 24 N 099 37 18 W	V37, UJ11E

DESIGNADOR EN CLAVE NAME-CODE DESIGNATOR	COORDENADAS COORDINATES	RUTA ATS U OTRA RUTA, TMA ATS ROUTE OR OTHER ROUTE, TMA
1	2	3
DANET	25 39 00 N 105 52 29 W	UT10
DANGO	22 05 51 N 102 39 42 W	UJ63
DANIS	19 14 28 N 089 31 33 W	A758, V36, UA758, UJ61, UT65
DANOP	24 25 19 N 107 12 59 W	V3, UJ7
DAPAN	32 13 16 N 115 54 58 W	V3, V41, UJ3, T58
DAPIB	21 17 20 N 089 23 59 W	M215, UM215
DAPIS	23 41 40 N 109 54 05 W	V1E
DARAN	20 12 36 N 099 45 33 W	UT129, UT130, UT131, UT132, UT150
DARVO	25 21 29 N 097 27 51 W	UT48, UT151
DASKA	19 03 12 N 100 02 50 W	T80
DASMO	18 01 20 N 088 46 06 W	UM206, UM208
DASON	23 30 00 N 109 28 49 W	V52, UJ23
DASVU	25 16 41 N 110 31 47 W	V1E, V4, J92, UJ1E
DATBI	20 55 30 N 092 12 07 W	UT17
DAVUL	20 13 38 N 100 02 03 W	V43, UJ45
DAXOL	22 29 08 N 089 44 07 W	UL209, UM346
DAXUM	20 07 36 N 087 05 42 W	B764, UB764
DEBRO	20 26 28 N 103 50 13 W	V14S, UJ14S
DEDKU	22 04 38 N 106 37 23 W	UT6, UT14, UT153
DELKU	20 00 46 N 091 18 35 W	UJ16, UM206, UT90
DERVI	19 04 37 N 099 35 48 W	UJ45
DETBO	20 24 47 N 104 54 31 W	UJ9
DEVOE	26 32 39 N 099 10 12 W	J29
DOTOR	25 46 45 N 099 12 27 W	V35, V64, J21, UJ4
DUGNI	21 06 10 N 086 27 37 W	R506, UR506
DULGU	27 45 10 N 104 23 05 W	UQ102
DUMBO	30 30 26 N 110 59 19 W	J92, UT11
DUMBU	20 50 24 N 086 31 08 W	UJ52, G765, UG765
DUNSU	20 34 48 N 103 55 49 W	V14, UJ14
DUPAS	21 42 16 N 091 18 04 W	L207, R522, UL207, UR522, UT31
DUPEM	22 20 30 N 090 18 23 W	UL208, UM346
DUPIX	20 32 52 N 087 21 14 W	V45, UJ9
DUPLO	18 33 17 N 095 16 30 W	A552, UA552, UM210
DUPMI	22 39 32 N 101 02 49 W	V39, UJ40
DUPOL	30 48 31 N 115 21 05 W	UT6
DUPOP	23 14 41 N 106 37 19 W	V20, UJ20
DUPUD	21 00 11 N 100 21 56 W	V43, UJ45
DURDO	15 44 47 N 096 07 59 W	J1
DURIB	19 53 27 N 096 35 06 W	T61, UT61, UT143
DURPA	24 09 09 N 103 26 08 W	V12, UJ6
DURPI	20 50 01 N 089 13 28 W	V45, UJ9, UT78
DURTU	24 29 54 N 110 17 43 W	V9
DUSAT	22 35 36 N 095 00 00 W	UM206
DUSLO	20 28 00 N 089 28 00 W	B753, UB753
DUSOV	19 51 11 N 093 43 36 W	UJ18, UT42, UT46, UT94
DUSPI	23 12 10 N 097 46 40 W	V25, UJ59

DESIGNADOR EN CLAVE NAME-CODE DESIGNATOR	COORDENADAS COORDINATES	RUTA ATS U OTRA RUTA, TMA ATS ROUTE OR OTHER ROUTE, TMA
1	2	3
DUTAB	23 06 58 N 103 51 06 W	UQ104, UT1
DUTES	27 19 48 N 107 34 32 W	UT9
DUTKA	18 38 41 N 091 21 56 W	V28, UJ28
DUTNA	24 30 00 N 091 20 05 W	L208, M209, UL208, UM209
DUTRO	19 48 23 N 095 00 00 W	UT42
DUVAN	25 02 11 N 106 01 35 W	UJ10, UQ104
DUVIT	22 45 39 N 109 31 40 W	UJ48, UT75
DUVKA	27 01 34 N 099 29 44 W	V49, UJ41
DUVUV	29 34 07 N 110 51 45 W	V625
DUXAT	31 11 23 N 106 21 12 W	V280, UJ47
DUXOP	19 16 31 N 099 06 32 W	V15 J21
DYSON	20 37 46 N 090 51 26 W	UJ18, UT42, UT85, UT94
EBDAT	25 46 30 N 097 59 12 W	V64, UJ4
EBDEG	20 04 00 N 102 47 36 W	V3, UJ3, UJ7, UT123, UT145
EBDUB	24 19 40 N 097 23 44 W	J177, UT37
EBGAB	18 06 22 N 101 47 15 W	UJ27
EBLAS	22 02 47 N 091 26 56 W	UL207, UM346
EBLEV	18 04 55 N 092 08 51 W	V30, UJ5, UJ25
EBLON	23 49 43 N 103 45 11 W	UT10
ELEGU	25 52 21 N 107 03 46 W	UJ54, UT49
ELERA	24 57 06 N 100 17 01 W	V55, UJ38
ELIKU	19 01 17 N 097 08 55 W	UJ24, UT110
ELILA	18 50 43 N 099 57 18 W	UT120, UT121
ELISO	21 59 57 N 091 25 42 W	UL207, UT37
ELIXI	25 18 56 N 098 27 15 W	V46, UJ17, UT11
ELOGO	18 48 54 N 095 11 56 W	V23, UJ12
ELOLU	24 51 07 N 103 57 56 W	V20, UJ20,
ELOPA	20 37 01 N 092 07 30 W	UT19
ELSIP	20 15 37 N 090 10 37 W	V3, UJ9
ELSOM	32 07 37 N 114 27 11 W	V41, UJ7
ELSON	19 08 21 N 087 33 55 W	B764, UB764, T32, UT32
ELUBA	31 47 45 N 116 36 25 W	T58, T59, T64, UT64
ELUNI	21 42 00 N 092 44 42 W	UM346, UT23
ELURA	20 29 18 N 095 00 00 W	UT17, UT155, UT107
ELURO	30 48 30 N 110 58 26 W	J92, UT41
ELVED	19 51 06 N 097 59 56 W	UT104
EMADA	17 49 00 N 090 54 00 W	G633, UL349
EMAKI	25 46 31 N 099 44 02 W	V35, V64, UJ4
EMANI	27 00 29 N 109 28 52 W	V53, UJ7
EMIGU	20 08 43 N 103 39 41 W	V26, UJ11
EMIMO	25 10 24 N 103 34 09 W	V37, UJ37
EMIRA	23 35 41 N 101 54 52 W	UJ47
EMIRI	19 48 21 N 102 33 58 W	UT119
EMOBI	19 29 39 N 093 28 38 W	UJ24
EMORO	22 41 50 N 097 46 11 W	J177
EMOSA	21 49 21 N 085 54 29 W	B764, UB764

DESIGNADOR EN CLAVE NAME-CODE DESIGNATOR	COORDENADAS COORDINATES	RUTA ATS U OTRA RUTA, TMA ATS ROUTE OR OTHER ROUTE, TMA
1	2	3
EMPIX	27 01 08 N 100 17 26 W	V15, V68, UJ45, UJ68
EMUDA	23 36 11 N 102 01 08 W	V26, UT160
ENAGA	20 01 15 N 098 11 03 W	UT100, UT101, UT154
ENATA	26 53 59 N 109 55 02 W	V9
ENEBA	21 26 31 N 086 53 38 W	UT27
ENEKO	24 18 45 N 109 25 34 W	V4, V10, V41, UJ10, UJ14, UJ51, UT7
ENEMI	21 08 18 N 104 59 43 W	V37, UJ37
EPNAS	20 58 15 N 088 46 00 W	V44, UJ18
EPNEL	21 38 33 N 087 27 39 W	UM782
EPSEN	20 11 10 N 106 30 30 W	UL312
ERBAM	20 07 54 N 098 41 05 W	V34, UJ102
ERBOS	20 34 02 N 102 05 04 W	V14, UJ14
ERDEL	18 39 26 N 097 59 18 W	UJ33, UL308, UT110, UT111, UT112, UT165
ERILI	21 33 45 N 099 16 35 W	V17, UJ14, UT137
ESPOS	18 43 51 N 099 49 37 W	UT117, UT118, UT119
ESPOT	22 29 17 N 100 33 22 W	V43, J25
ESRUS	23 21 20 N 104 12 47 W	UQ103
ESTEN	23 29 48 N 089 05 32 W	A766, UA766, UM782
ESTIR	19 42 19 N 089 09 47 W	B753, UB753, UT30
ESTIV	23 08 46 N 103 03 54 W	V27, UJ5
ESTUP	21 12 35 N 090 11 19 W	UT17, UT63
ESVUR	24 12 09 N 099 01 04 W	V23, J21, UJ15E
ETLEP	26 44 19 N 104 20 16 W	J13, UJ4
ETMES	24 55 45 N 098 07 21 W	V43, V387, J25, UJ53
ETNAS	19 12 09 N 095 45 09 W	UJ24
EVATE	24 59 23 N 107 51 49 W	V3, V27, UJ6
FARCY	31 42 34 N 106 22 05 W	V280, J26
FEISE	21 00 07 N 102 39 52 W	J25
FLANE	24 45 42 N 101 14 49 W	V39, UJ40
FOBOS	24 26 02 N 103 47 15 W	J29, UT71
FRESA	20 35 56 N 100 58 51 W	V14, V32, J13, UJ14, UT127
GABAT	23 47 51 N 093 56 48 W	UT22
GABEN	15 42 39 N 091 56 44 W	A552, UA552
GABLA	26 00 43 N 100 35 56 W	V39, UJ40, UT11
GABLI	22 21 37 N 102 06 06 W	UJ5, UJ11
GABNU	17 55 34 N 101 52 39 W	UJ9
GABOB	21 19 03 N 088 51 43 W	B646, UB646
GADET	19 46 30 N 100 36 01 W	V34, UJ65
GADMI	31 25 09 N 106 50 39 W	J26
GADMU	18 57 06 N 099 23 00 W	V27, J13
GAGLO	27 37 20 N 099 59 10 W	V39
GAGPI	25 22 27 N 097 39 52 W	UJ35
GAMOS	23 34 25 N 106 34 41 W	V3, UJ7
GAONA	22 00 22 N 105 18 40 W	V3, V5, UJ12
GARES	17 41 38 N 097 47 19 W	V16, V27, J13, UT113
GAVIA	18 19 01 N 095 22 01 W	UM787

DESIGNADOR EN CLAVE NAME-CODE DESIGNATOR	COORDENADAS COORDINATES	RUTA ATS U OTRA RUTA, TMA ATS ROUTE OR OTHER ROUTE, TMA
1	2	3
GODOY	24 54 47 N 111 07 49 W	V1W, V12, V393, UJ20
GOLFO	31 04 16 N 114 19 37 W	UQ103, UT18, UT25
GOSAT	20 49 54 N 089 38 53 W	UA758, UT78
GOSIM	23 39 57 N 109 00 43 W	V12, UJ32
GOSUL	20 25 16 N 086 28 40 W	L577, UL577
GOTAS	19 17 41 N 095 03 28 W	UJ24, UT65
GOXUM	25 54 36 N 097 39 48 W	V70
GOYAS	21 07 22 N 103 09 24 W	V26, V61W, J42, UT147
GRALA	26 14 08 N 101 04 01 W	UT11
GREPE	20 09 21 N 089 20 30 W	B753, UB753, T53, UT53
GROSZ	25 51 05 N 097 26 45 W	V163, J25
GRUSI	21 16 50 N 102 56 00 W	V61W, UT147
GRUTA	17 35 11 N 092 52 47 W	V3, UJ9
GUBIX	22 17 48 N 090 28 58 W	UM346, UT63
HALOT	21 46 14 N 090 52 54 W	UR522, UT31, UT37
HECAT	20 33 46 N 086 00 50 W	UJ52
HERTY	25 57 41 N 100 52 42 W	V68, V83, UJ68, UJ83
HORTA	21 50 06 N 101 31 09 W	J25, UJ5
ICARO	15 05 55 N 095 45 38 W	UL308
IDEAL	23 22 51 N 101 45 20 W	UJ11, UJ47
IGROT	19 49 50 N 104 13 27 W	V26W, UJ9, UT159
IGSAM	22 30 35 N 102 03 05 W	UJ11
IGSAR	21 17 57 N 088 37 32 W	V3, UJ16, M209, UM209
IGSAT	18 08 29 N 102 08 45 W	UJ9
IGSON	19 54 00 N 102 17 33 W	UT123, UT145
IGTAN	29 01 40 N 109 54 49 W	UJ38
IGTIM	28 17 52 N 104 50 37 W	UJ2, J42
IGTOB	22 36 03 N 088 25 36 W	A766, UA766, M215, UM215
IGVES	19 23 04 N 101 28 31 W	UJ58, UT119
IGVOR	25 52 57 N 100 53 17 W	V68, V83, UJ68, UJ83
IKBAN	21 07 05 N 102 49 02 W	UJ11
IKBOR	24 02 46 N 108 29 11 W	V12, UJ32
IKDOL	15 11 06 N 092 31 09 W	V51, UJ47
IKLAN	20 26 02 N 098 53 26 W	UT139, UT140, UT141
IKLEK	20 42 40 N 088 10 13 W	V56, UJ84, M209, UM209
IKLEM	18 10 49 N 100 50 39 W	UJ30, UT122
IKLES	19 34 20 N 096 56 45 W	T178, UT178
IKLOK	19 21 59 N 100 43 17 W	V18, UJ58, UT123
IKLUB	18 19 23 N 101 55 20 W	UJ27
IKNOR	27 35 18 N 109 17 39 W	UJ2, T18, UT18
ILAMA	29 48 40 N 108 30 00 W	UT41
ILARI	22 24 31 N 101 20 59 W	V47, UJ50
ILATO	26 15 25 N 111 03 30 W	UJ2, UT6
ILAVI	24 28 46 N 108 43 09 W	V10, UJ10
ILAXA	19 41 28 N 098 59 38 W	UL318, UM787, UT104
ILELA	20 30 46 N 090 25 19 W	V16, UJ16, UJ16W, UT85

DESIGNADOR EN CLAVE NAME-CODE DESIGNATOR	COORDENADAS COORDINATES	RUTA ATS U OTRA RUTA, TMA ATS ROUTE OR OTHER ROUTE, TMA
1	2	3
ILEMA	22 10 05 N 100 02 14 W	V47, UT136, UT147
ILENA	17 59 00 N 100 41 55 W	V24, UJ57, UT118, UT121
ILETO	19 15 50 N 098 01 13 W	T109, UT109
ILIGA	22 21 39 N 108 40 12 W	J1, UJ48, UT75
ILIGO	26 36 06 N 099 35 06 W	V37, UJ11E
ILOLI	22 26 03 N 091 37 03 W	UT22, L207, UL207
ILOLU	19 50 32 N 097 20 54 W	T106, UT106
ILONO	19 59 02 N 098 14 57 W	T70
ILUBA	20 11 22 N 085 20 28 W	L333, L577, UJ52, UL333, UL577
ILURA	20 02 21 N 102 22 48 W	J42
IMARA	19 00 22 N 095 46 22 W	V23, UJ12
IMARI	27 06 18 N 107 38 32 W	T36, UT10, UT36
IMASO	14 46 02 N 092 09 38 W	R644, UR644
IMEXA	30 38 55 N 110 25 13 W	V625
IMIDA	19 36 40 N 097 20 01 W	T19, UT156
IMINO	28 33 15 N 105 31 21 W	UJ2
IMITO	15 47 46 N 093 59 49 W	V1, J13, UL423
IMODA	23 34 02 N 100 37 40 W	V11, UJ45, UJ46
IMOLI	23 24 05 N 104 10 07 W	UQ104
IMOLO	21 10 00 N 086 07 46 W	G765, R506, UG765, UR506
IMOSO	22 04 33 N 102 54 29 W	J42, UT2
IMUBI	20 02 59 N 088 38 52 W	V30, UJ24, T86, UT86
IMUSU	27 19 42 N 112 16 13 W	UT6, UT25
INDIO	25 24 58 N 108 36 09 W	V3, V27, UJ6
IPRUL	24 31 32 N 097 20 40 W	J177, UT48, UT151
IPSAG	25 49 35 N 103 02 57 W	V2, V20, UJ20
IPSEV	24 30 00 N 092 32 01 W	L207, UL207
IPSIS	23 21 49 N 099 20 17 W	V43, J25
IPSUM	15 07 35 N 093 39 37 W	J1, UL318
IPTAK	18 54 34 N 095 49 28 W	A552, UA552, UM210
IPTUN	22 10 31 N 098 17 45 W	V17, V47, UJ14
IPVOS	23 26 13 N 100 06 15 W	UQ101
IRBEK	19 50 16 N 103 56 39 W	V26, UJ11
IRBID	25 53 32 N 097 52 48 W	V2, V10, UJ2, UJ10
IRDOV	24 30 00 N 088 12 21 W	L214, UL214, UM580, UT45
IREKO	23 29 00 N 100 38 50 W	UJ45, UL655, UT152
IRLAS	22 50 03 N 097 54 56 W	UJ53
ISARO	21 22 38 N 090 24 56 W	UT23
ISLAS	23 09 45 N 106 38 01 W	V1, J29
ISTMO	16 52 14 N 096 23 59 W	V3, J13, UT113
ITAKU	20 08 46 N 086 41 20 W	A766, UA766
ITBEN	24 39 38 N 099 58 15 W	V19, V55, UJ38, UJ81
ITLAS	19 57 57 N 100 00 04 W	UQ101, UT126, UT127, UT128
ITLOM	22 39 58 N 088 28 29 W	UA766, UM782, A766
ITMAT	23 52 33 N 099 52 42 W	V12, UJ6, UJ81
ITPIG	20 05 48 N 086 59 44 W	G521, UG521

DESIGNADOR EN CLAVE NAME-CODE DESIGNATOR	COORDENADAS COORDINATES	RUTA ATS U OTRA RUTA, TMA ATS ROUTE OR OTHER ROUTE, TMA
1	2	3
ITPIS	25 59 54 N 099 12 51 W	V13, UJ13
ITPUM	27 08 50 N 100 43 46 W	V20, V83, UJ20, UJ83
JALIL	30 32 02 N 108 30 00 W	J26
JASTO	20 44 53 N 102 27 21 W	V32, UT150
JEREZ	22 37 47 N 098 07 25 W	V19, UJ15
JOTAS	19 14 53 N 091 09 20 W	V3, V16, V30, UJ9, UT65
JUCRO	20 43 11 N 099 14 29 W	UJ47, UJ81
KANAL	17 18 26 N 096 06 07 W	V16, UJ16, UJ47
KANNA	26 00 01 N 097 00 01 W	J177
KANOX	17 46 51 N 099 46 33 W	V15W, UJ45, UT117
KAPEL	21 33 49 N 101 44 56 W	UT129, UT130, UT133
KARIR	21 33 29 N 101 01 39 W	V39E, UJ31
KARUN	20 32 36 N 102 46 45 W	V14, UJ14, UT126
KASIV	20 36 09 N 087 58 22 W	V45, UJ9
KASUP	20 37 33 N 104 27 06 W	V14, UJ14
KATIS	11 59 10 N 098 25 04 W	UL312
KATLA	24 48 50 N 102 49 57 W	J29, UJ47, UT1, UT71
KATLI	25 25 27 N 106 22 49 W	UT16, UT49
KATRA	16 39 06 N 099 25 27 W	V1, J1, UJ9
KATRO	20 21 43 N 087 19 41 W	UT30
KAVOR	21 15 45 N 105 48 16 W	UT6
KAVRA	24 18 02 N 108 55 44 W	V52, UJ23, UT6, UT9
KAVRU	19 00 57 N 098 01 46 W	UL318, UM787, UT158
KEBEX	26 05 59 N 108 39 27 W	V53, UJ7, T36, UT36
KEDIX	21 17 44 N 106 18 28 W	UJ9, UJ14, UT75
KEDMA	21 44 24 N 104 39 22 W	UJ3, UT1
KEDRI	22 01 35 N 103 08 57 W	UJ33
KEHLI	24 29 10 N 089 50 25 W	A766, A770, UA766, UA770, L209, UL209, UL674, UM782
KEKMA	28 47 13 N 111 56 05 W	V40
KEKRI	23 04 55 N 095 58 38 W	UM345, UT26
KELBO	19 21 27 N 099 25 48 W	UT117, UT118, UT170
KELVA	20 30 08 N 102 19 21 W	UT126
KELYS	19 16 46 N 087 03 26 W	T57, UT57
KENDU	21 00 14 N 105 22 03 W	V1, J141, UT148
KEPLU	22 36 07 N 101 10 56 W	UJ47
KERGA	24 56 43 N 100 00 17 W	V19, UJ81, UT44, UT132
KESGO	16 38 02 N 096 28 38 W	V27E, UJ39
KESLI	16 18 21 N 092 41 40 W	A552, UA552
KESMI	21 40 52 N 105 31 39 W	UT14
KESPO	21 42 35 N 085 59 43 W	B764, UB764, L333, UL333
KETBA	19 15 34 N 090 20 07 W	UM206, UT30, UT32, UT65
KEVRO	20 19 59 N 087 52 48 W	UJ24, M209, UM209
KINOL	23 09 26 N 108 49 03 W	V1, J29
KIPAG	17 09 18 N 092 41 27 W	UJ25
KIPAL	29 30 14 N 104 58 26 W	V81
KIPAX	25 32 40 N 108 09 45 W	V53, UJ7

DESIGNADOR EN CLAVE NAME-CODE DESIGNATOR	COORDENADAS COORDINATES	RUTA ATS U OTRA RUTA, TMA ATS ROUTE OR OTHER ROUTE, TMA
1	2	3
KIPUM	23 50 43 N 109 14 37 W	V20, V52, UJ20, UJ23
KIROG	19 53 59 N 097 22 29 W	T17, UT155
KITON	25 54 17 N 103 40 32 W	J13
KODEK	17 35 53 N 097 11 41 W	UJ33, UT157, UT158
KONLA	19 54 29 N 093 31 43 W	UJ18, UT42, UT94
KREPE	32 04 28 N 116 44 08 W	T64, UT64
LARLO	18 43 01 N 098 19 56 W	L423, T112, UT110, UT111, UT112, UT157
LAYKE	22 48 27 N 087 32 26 W	UL214
LENEG	18 28 26 N 099 40 49 W	V24, UJ45, UJ57
LENEM	27 46 25 N 105 10 36 W	J13
LENIM	22 40 23 N 100 55 49 W	UJ31
LENUK	22 37 51 N 086 00 00 W	B646, UB646
LENUL	19 45 23 N 098 35 37 W	UL318, UM787, UT104
LEPOM	23 52 22 N 108 43 35 W	V12, UJ32
LERIL	23 08 16 N 091 55 34 W	L207, UL207, UT11
LERIV	25 17 55 N 107 56 43 W	V53, UJ7, UT9
LERMA	20 11 22 N 090 59 50 W	UJ16
LEROK	20 09 55 N 103 04 57 W	UJ27
LEROX	22 46 24 N 104 03 14 W	UJ27, UT1, UT2
LERUV	22 14 43 N 087 38 51 W	R522, UR522
LESIT	23 30 33 N 105 39 08 W	V20, J29, UJ20
LETAL	21 02 43 N 105 56 51 W	UJ48
LETAT	23 16 38 N 110 20 24 W	V12
LETER	22 53 05 N 109 22 09 W	J1
LETIS	21 31 43 N 086 23 24 W	B879, UB879
LEVAT	23 05 01 N 088 47 02 W	A766, UA766, UM782, UT38
LEXOR	20 53 47 N 097 45 10 W	UT103, UT167
LEXUD	24 50 34 N 094 53 20 W	UM345
LEXUR	18 44 17 N 096 17 29 W	V29, UT151
LEXUX	22 29 54 N 099 26 55 W	UJ17, UL655, UT137, UT152
LIBAB	21 05 22 N 089 20 28 W	B646, UB646, UT22
LIBAR	23 37 08 N 102 13 00 W	UT5
LIBOK	23 46 28 N 092 12 29 W	L207, UL207
LIBOL	21 37 20 N 101 12 36 W	V39, UJ40
LIBOX	25 13 46 N 098 09 09 W	V387, UJ53, UT11
LIDAM	21 58 47 N 095 00 00 W	UT23
LIDAR	19 58 30 N 096 08 04 W	V29
LIDED	20 57 49 N 095 34 26 W	R522, UR522, UT31, UT46, UT154
LIDEK	20 45 59 N 086 53 07 W	B881, UB881
LIDIK	24 41 31 N 107 07 09 W	V10, V12, V27, UJ6, UJ32
LIDOX	22 05 43 N 101 20 43 W	V61, UT147
LIDUK	29 51 36 N 111 47 36 W	V3, V7, V41, UJ3, UJ7
LIFTS	20 11 45 N 089 14 50 W	V38, UJ26, T54, UT54
LIPEP	20 36 37 N 104 16 30 W	V14, UJ14
LIPTU	27 12 45 N 099 57 27 W	V68, UJ68
LIRGA	25 22 05 N 100 44 07 W	V55, UJ38

DESIGNADOR EN CLAVE NAME-CODE DESIGNATOR	COORDENADAS COORDINATES	RUTA ATS U OTRA RUTA, TMA ATS ROUTE OR OTHER ROUTE, TMA
1	2	3
LIRNU	22 39 50 N 100 50 13 W	UJ45
LIRPO	23 08 46 N 095 56 17 W	UM206, UM345
LIVRI	21 10 57 N 102 45 49 W	V61, UJ11, UT44
LIVRO	26 28 53 N 106 25 58 W	UT16
LLANO	22 38 40 N 102 00 21 W	V47, UJ11, UJ50
LOBRA	19 00 12 N 098 17 11 W	T70
LOKMA	20 59 31 N 088 06 29 W	V44, UJ18
LOKRO	27 50 34 N 108 34 06 W	UJ2, UT10
LOMSA	23 46 37 N 100 55 49 W	V11, UJ31, UJ46
LONBU	20 07 45 N 098 02 55 W	T169, UT154, UT169
LONKU	20 16 28 N 102 27 53 W	V5, UJ12, UT146
LONRI	24 19 57 N 105 24 11 W	V10, V12, V27, UJ6, UJ32
LONVA	21 19 23 N 103 34 21 W	UJ7, UJ27
LOSBA	21 28 05 N 098 01 52 W	T163, UT141, UT163
MALPA	24 01 34 N 098 51 34 W	V46, UJ17
MANTA	21 18 19 N 101 20 55 W	V27, V39, UJ33, UJ40
MANUS	24 13 53 N 109 45 46 W	V10, UJ10
MAPEN	18 41 01 N 098 12 46 W	UJ64
MAPIL	22 42 17 N 097 49 28 W	V25, UJ59
MAPUM	23 27 41 N 090 25 25 W	M209, UM209, UM580
MARED	20 13 47 N 092 21 34 W	UJ18, UT42, UT90, UT94
MARID	19 45 50 N 087 26 46 W	G765, V71, UG765, M209, UM209, T91
MARUS	21 48 55 N 090 35 40 W	R522, UR522, UT22, UT31
MARUX	23 54 27 N 109 31 45 W	V4, V20, V41, UJ14, UJ20, UJ51
MASAS	16 26 29 N 096 54 05 W	V29, UJ69
MATOL	23 52 40 N 093 50 22 W	UT11
MATUR	26 36 38 N 099 25 37 W	V49, UJ41
MAVED	22 35 58 N 104 42 00 W	V37, UJ33, UJ37, UT148
MAVIK	21 04 49 N 105 55 28 W	UJ9, UJ14, UT75
MAXIL	17 18 45 N 096 58 58 W	UJ33, UL308, UT158
MAXUL	18 53 19 N 100 03 32 W	V16, UJ24, UJ30
MEBAS	18 36 10 N 097 40 42 W	UJ47, UJ64, T112, UT110, UT111, UT112, UT165
MEDAB	20 50 55 N 100 58 21 W	V22, UT150
MEDES	26 06 22 N 109 22 07 W	UT8
MEDEX	24 30 35 N 095 43 18 W	UT11, UT26
MEDIR	22 14 47 N 089 43 25 W	A770, UA770, L209, UL209, UT11, UT28
MEDOS	20 44 35 N 093 24 22 W	UT17, UT20, UT78
MEKLI	19 12 19 N 104 08 06 W	V18, UJ58
MELBO	23 57 49 N 106 52 13 W	V3, UJ7
MELNO	23 24 04 N 099 37 34 W	UT137
MEMDI	16 53 50 N 097 51 55 W	V3, UJ16, UJ71, UT115
MENVI	23 24 23 N 109 22 03 W	V12, UJ32
MERGO	21 52 15 N 101 06 02 W	V39, UJ40
MESNA	21 57 02 N 089 42 30 W	A770, UA770, L209, UL209, R522, UR522, UT31
MEZCA	21 19 04 N 102 39 01 W	V61, UJ11, UT44
MIDRA	29 31 06 N 108 30 00 W	UT11

DESIGNADOR EN CLAVE NAME-CODE DESIGNATOR	COORDENADAS COORDINATES	RUTA ATS U OTRA RUTA, TMA ATS ROUTE OR OTHER ROUTE, TMA
1	2	3
MIROX	15 55 44 N 091 48 59 W	UM210
MISAS	18 29 09 N 095 55 03 W	V33, UJ5, UJ34
MITIN	22 18 20 N 102 50 51 W	V26, J42, UJ63
MIURA	28 40 24 N 110 44 46 W	V3, V41, UJ3, UJ7
MIVIS	24 21 06 N 104 21 09 W	V20, UJ20, UT10
MOBAN	21 43 31 N 088 28 50 W	UT11
MODEX	20 45 47 N 102 23 54W	V32, UT150
MORAS	22 09 40 N 099 35 01 W	UJ17, UJ81
MORIC	19 45 40 N 089 00 35 W	V38, UJ26, T54, UT30, UT54, UT90
MORSA	23 48 19 N 109 44 47 W	UT15
MULPA	19 54 58 N 089 48 01 W	A770, V30, UA770, UJ24, T86, UT86
MUNDA	21 35 45 N 091 58 04 W	R522, UR522, UT23, UT31
MURBU	19 37 12 N 087 20 14 W	B764, UB764, M209, UM209
MURDA	22 33 34 N 101 46 07 W	V47, UJ50, UT135
MURDU	26 38 15 N 101 55 16 W	V2, V20, UJ20, UT11
MURES	22 05 43 N 105 49 16 W	J141
MUTEM	20 47 33 N 102 17 03 W	V32, UT150
MUTUB	23 30 01 N 103 55 43 W	UJ63
MUVAP	17 49 00 N 090 06 47W	UL207
MUVAR	17 11 47 N 099 30 05 W	V21, UJ55, UT116
MUVEN	24 19 28 N 106 42 01 W	V5, UJ12, UT2
MUXEP	19 50 08 N 098 21 33 W	T163, UT163
MUXOG	22 10 50 N 088 07 06 W	A766, R522, UA766, UR522
MYDIA	24 02 26 N 086 09 30 W	M219, UM219
NABAS	26 35 16 N 108 10 03 W	T12, T18, T36, T49, UQ103, UT12, UT18, UT36, UT49
NABDA	23 41 54 N 096 53 33 W	UM206, UM575
NABES	20 46 16 N 096 35 06 W	UT31, UT143, UT151, UT154
NABLA	28 09 51 N 109 57 54 W	T18, UT18
NADIS	30 55 35 N 111 16 43 W	UT41
NAGAL	25 05 28 N 104 37 13 W	UT88
NAGIV	20 40 26 N 101 04 29 W	V32, J13, UT127
NAKAM	19 22 38 N 089 01 59 W	B753, UB753, UT65
NAPDA	25 16 17 N 104 52 37 W	UJ10, UJ27
NAPLA	21 46 24 N 089 41 55 W	A770, UA770, L209, UL209
NAPRI	20 43 43 N 088 47 42 W	V45, UJ9
NICOS	16 57 00 N 100 08 26 W	V1, V3, J1, UJ9
NOPON	18 25 30 N 092 10 04 W	V3, V16, UJ9
NORAR	32 23 16 N 115 38 20 W	V41, T58
NOREL	19 02 08 N 095 08 03 W	V28, UJ28
NOSAT	21 57 49 N 085 58 52 W	B879, UB879
NOSEX	19 15 14 N 088 44 04 W	V38, UJ26, T54, UT54
NOSIT	19 41 54 N 098 45 16 W	T172
NOSOL	21 45 06 N 105 28 50 W	UT15, UT153
NOSOS	21 23 55 N 093 08 46 W	UM206, UR522, UT31
NOSUG	21 51 32 N 086 55 46 W	UT27
NOSUK	20 53 16 N 101 54 47 W	V32, UT150

DESIGNADOR EN CLAVE NAME-CODE DESIGNATOR	COORDENADAS COORDINATES	RUTA ATS U OTRA RUTA, TMA ATS ROUTE OR OTHER ROUTE, TMA
1	2	3
NOTAK	27 19 39 N 100 01 00 W	V20, UJ20
NOTAL	26 32 31 N 100 13 07 W	V2, V15, V19, V39, UJ2, UJ40, UJ45
NOTAR	22 26 09 N 104 15 06 W	UJ33, UT1
NOTEN	23 17 07 N 094 37 33 W	UT37
NOTOL	18 19 25 N 099 59 37 W	V24, UJ57, UT120, UT121
NOTOR	21 52 59 N 097 45 50 W	V23, A552, UT102
NOTOS	12 37 25 N 096 17 19 W	UL344
NOTOT	28 44 32 N 111 00 47 W	V7, V393, J92, UQ103
NOTUP	20 51 13 N 104 15 03 W	V3S, UJ12S, V14N, UJ14N, UT124, UT147
NOVEV	21 10 12 N 087 11 25 W	UT11
NOVOP	25 11 00 N 109 01 11 W	V52, UJ23
NOVOS	32 40 33 N 115 20 26 W	V137
NOVUL	25 51 26 N 100 42 33 W	V39, UJ40
NOXEG	18 03 11 N 092 23 02 W	UJ5
NOXOS	19 36 08 N 098 00 29 W	T17, T106, UT105, UT106, UT155,
NUBEL	21 01 04 N 095 16 49 W	UM580, R522, UR522, UT31, UT154
NUBIG	20 41 59 N 103 48 38 W	V3S, V14N, UJ12S, UJ14N, UT124, UT147
NUBIK	25 14 15 N 108 17 32 W	V3, V27, UJ6
NUBIT	20 37 20 N 095 00 00 W	UT46
NUDAL	21 15 48 N 085 37 14 W	R506, UR506
NUDAN	19 46 40 N 091 00 15 W	UJ24, UM206
NUDAS	19 23 37 N 104 52 23 W	J1
NUDIK	19 40 47 N 091 53 33 W	UJ16, UJ24
NUDIL	25 45 27 N 109 37 08 W	V27
NUDIS	23 26 40 N 087 47 20 W	L214, M215, UL214, UL674, UM215, UT38
NUDOS	16 19 47 N 096 14 59 W	V27E, UJ39, UJ70
NUGAD	19 13 01 N 092 41 40W	UJ16, UT46, UT65
NUGIN	20 26 14 N 093 23 50 W	UT19, UT90
NUGUS	25 04 12 N 097 36 00 W	V25, UJ59, UT11
NUKAN	21 29 34 N 085 44 17 W	G765, UG765
NUKAR	18 01 34 N 093 15 19 W	V16, UJ5
NUXCO	17 46 39 N 100 37 37 W	UJ3, UT145
OBRUG	21 47 01 N 105 41 27 W	V1, J141
OBSEV	26 24 00 N 100 49 25 W	V23, V68, V83, UJ15, UJ68, UJ83
OBTAM	20 05 21 N 086 54 28 W	B881, UB881
OBVIX	19 55 06 N 104 54 09 W	V1, J141
ODKOK	24 28 34 N 103 40 56 W	J29, UT71
ODKOT	24 16 53 N 091 13 44 W	L208, UL208
OKOMA	28 18 47 N 105 50 07 W	V2, UJ46
OKUBI	18 09 00 N 098 30 00 W	UJ19, UT113
OKUMU	19 18 41 N 090 24 08 W	UL207, UM206
OLAKA	23 45 06 N 108 07 01 W	V57
OLESI	23 36 47 N 108 12 13 W	V20, V57, UJ20, UJ54, UT6, UT88
OLEXU	24 32 41 N 107 05 16 W	V5, UJ12, UT2
OLOSA	25 00 23 N 106 11 25 W	UJ10, UQ103
OLULA	17 56 49 N 100 46 24 W	V24, UJ3, UJ57, UT118, UT121, UT145

DESIGNADOR EN CLAVE NAME-CODE DESIGNATOR	COORDENADAS COORDINATES	RUTA ATS U OTRA RUTA, TMA ATS ROUTE OR OTHER ROUTE, TMA
1	2	3
OLULI	27 08 42 N 110 06 30 W	V42, UJ2, UT8
OLUNO	21 34 10 N 105 36 06 W	V1, J141
OLUVU	22 49 41 N 109 40 24 W	UJ48, UT75,
OMATO	17 35 48 N 095 33 12 W	V16, V33, UJ16, UJ34
OMEVO	24 59 54 N 101 09 06 W	V39, UJ40
OMIKA	29 04 06 N 110 34 39 W	UJ38
OMINA	20 25 55 N 101 15 48 W	V39, UJ40
OMISI	28 47 22 N 106 45 54 W	UJ38, UT11
OMIXA	25 33 13 N 101 28 57 W	V10, UJ10
OMOKU	19 40 13 N 097 21 14 W	T107, UT107
OMPAN	19 29 27 N 095 00 00 W	UJ18, UT94
OMPUT	19 52 59 N 098 16 26 W	J177, UT167
OMSEK	31 11 18 N 106 29 25 W	UJ46
OMSIB	24 58 22 N 109 38 56 W	V8, UJ8, UT6
OMSUK	21 26 03 N 086 45 56 W	M219, UM219
OMSUX	28 19 20 N 110 58 00 W	V7, V393, J92, UT8
OMTIB	29 24 53 N 111 21 34 W	V3, V7, V41, UJ3, UJ7
OMVAB	17 08 54 N 92 56 41 W	V3, UJ9
OMVES	19 07 06 N 099 02 56 W	SID/RNAV/TLC
OMVIP	23 03 39 N 087 01 58 W	UL674, UT27, UT45
OMVIT	17 25 30 N 099 46 05 W	V15W, UJ45, UT117, UT120
OMVOM	22 01 35 N 089 11 43 W	R522, UR522, M209, UM209, UT11, UT31
ONBAD	19 21 30 N 096 34 02 W	T178, UT178
ONBET	19 19 01 N 099 47 46 W	SID/RNAV/TLC
ONBIK	20 50 33 N 100 34 06 W	V27, UJ33, UT162
ONBIR	29 30 40 N 111 00 59 W	V393
ONBUL	22 14 40 N 097 24 56 W	UT23
ONDEV	25 35 40 N 098 11 22 W	V387, UJ53
ONDIS	23 11 22 N 097 39 23 W	J177
ONDUM	32 13 54 N 115 22 40 W	V40
ONGEL	19 50 15 N 102 32 08 W	V3, UJ3, UJ7
ONGEX	23 57 21 N 109 45 08 W	V20, UJ20
ONGIG	19 31 41 N 093 11 50 W	T46, UJ24, UT46
ONGIV	29 06 05 N 106 08 35 W	UJ46
ONGOB	23 16 36 N 098 23 26 W	V23, UJ35, UT139
ONGON	20 31 25 N 106 17 20 W	J1
ONGUB	24 03 57 N 099 20 17 W	V19, V55, UJ38
ONKAL	27 05 23 N 099 49 15 W	V19, V39, UJ40
ONVIP	16 10 41 N 092 53 04 W	V51, UJ47
ORCAS	24 24 14 N 110 39 13 W	V1 W, UJ20
OTAGO	19 51 17 N 098 15 24 W	T70
OTAKA	21 02 17 N 099 47 15 W	UT132, UT133, UT134, UT135
OTEDI	20 09 42 N 087 09 40 W	G765, UG765
OTEKA	24 02 35 N 103 17 57 W	UT1, UT148
OTEXA	28 40 30 N 108 30 00 W	UL655, UT152
OTIGA	18 53 13 N 098 09 44 W	UJ24, UJ33, UL308, UT165

DESIGNADOR EN CLAVE NAME-CODE DESIGNATOR	COORDENADAS COORDINATES	RUTA ATS U OTRA RUTA, TMA ATS ROUTE OR OTHER ROUTE, TMA
1	2	3
OTIGO	28 04 44 N 108 30 00 W	UJ4
OTILO	18 45 19 N 096 01 43 W	V33, UJ34
OTIPO	24 06 00 N 089 04 21 W	UL674, UM580
OTITI	23 20 27 N 099 06 29 W	UJ17
OTIVO	18 43 06 N 099 40 20 W	T80
OTMOS	19 08 21 N 098 50 39 W	UT56, UT167
OTMUT	20 37 42 N 086 43 07 W	L214, UL214
OTNOG	28 56 30 N 111 29 42 W	V40
OTوبا	23 17 36 N 098 38 13 W	V19, UJ15
OTOGU	22 57 21 N 091 28 03 W	UM580, UT11
OTOKI	21 19 34 N 103 06 14 W	J42
OTOMI	19 06 17 N 099 27 40 W	SID/RNAV/TLC
OTOMO	22 36 02 N 087 27 37 W	L214, UL214
OTOSO	28 18 32 N 107 12 00 W	UJ2
OTRUD	21 00 36 N 100 02 24 W	UJ17
OTSUT	16 57 00 N 097 04 45 W	V3, UJ16
OTUBO	29 23 11 N 111 31 05 W	UT18
OTUDI	21 46 23 N 096 57 35 W	UT46, UT48
OTUPA	28 55 48 N 108 30 00 W	UJ38
OVAGO	19 10 55 N 100 08 22 W	UT123
OVALI	20 22 28 N 102 48 11 W	V5, UJ12, UT146
OVAXU	21 24 40 N 088 39 51 W	UB646, UT28
OVDOR	19 53 23 N 105 29 25 W	J1
OVEGI	25 25 11 N 097 46 20 W	V43, J25
OVEKO	28 21 03 N 106 20 49 W	T36, UT36
OVEMA	25 59 52 N 099 49 50 W	J29
OVERI	26 31 43 N 112 02 58 W	J1, UJ20
OVIso	18 36 55 N 099 33 24 W	T80
OVOGI	28 45 35 N 106 25 49 W	UJ38
OXALA	28 59 46 N 107 14 56 W	UT11
PAGAY	20 31 30 N 089 42 53 W	A770, UA770
PALIA	23 30 55 N 106 39 17 W	UJ3
PAMAB	19 42 05 N 100 37 15 W	V5, UJ12, UT125
PAULE	19 48 55 N 087 24 34 W	G765, UG765, UT62, UT65
PEKSI	18 07 06 N 100 55 18 W	UJ3, UJ30, UT122, UT145
PELNI	28 09 37 N 107 38 32 W	UJ2, UL655, UT152
PELSA	25 09 36 N 107 37 31 W	T12, UT12
PENGA	20 22 14 N 089 25 41 W	UB753, UT85
PENVA	14 54 05 N 092 47 30 W	J1
PEPSO	21 01 54 N 085 30 07 W	UPR
PERBU	21 28 53 N 103 37 29 W	UJ7, UJ27
PERGO	21 16 24 N 089 42 49 W	V38, UJ26, UT17, UT22, UT23, UT37
PESPA	24 55 52 N 102 32 00 W	V11, J29, UJ46, UT71
PIDNI	22 53 04 N 104 39 58 W	V37, UJ37
PIGNO	18 42 48 N 092 14 29 W	V28, UJ28
PIGVU	20 54 40 N 100 30 37 W	UJ5

DESIGNADOR EN CLAVE NAME-CODE DESIGNATOR	COORDENADAS COORDINATES	RUTA ATS U OTRA RUTA, TMA ATS ROUTE OR OTHER ROUTE, TMA
1	2	3
PIKBU	25 54 22 N 101 04 00 W	V55, UJ31
PILKO	17 15 06 N 091 09 32 W	UM787
PILNA	31 36 48 N 114 02 02 W	UT60
PIRAR	20 50 02 N 102 53 33 W	J25
PIROK	20 20 02 N 088 06 18 W	UT85
PISAD	24 17 19 N 087 08 25 W	L333, M215, UL333, UM215, UT27, UT38
PISET	24 29 59 N 110 25 18 W	V1 E, J92, UJ1 E
PITUS	20 21 35 N 099 50 32 W	V22, UJ5, UJ33
PIVAN	20 08 08 N 100 43 14 W	V17, UJ17
PIVAS	19 14 32 N 099 31 25 W	SID/RNAV/TLC
PIVOL	21 14 42 N 098 15 50 W	UT141
PIXEN	14 40 21 N 092 08 51 W	UL423
PIXON	24 40 51 N 103 10 08 W	V47, J13, J29, J42, UT71
PLAYA	25 00 58 N 097 24 53 W	UT11, UT48, UT151
PODIR	25 09 34 N 103 17 54 W	V47, J13, J42
POSTA	23 39 36 N 106 17 41 W	UT16
POZOS	19 23 21 N 087 07 45 W	T51, UT51
PURAM	20 12 04 N 102 41 23 W	J42, UT124
PUVAR	22 02 26 N 089 05 53 W	R522, UR522, UT55
PUXON	26 41 37 N 111 50 01 W	UT25
PYRAN	26 03 06 N 098 14 03 W	V387
RABAX	25 59 26 N 101 36 06 W	V37, UJ32, UJ38
RABIL	21 56 53 N 102 56 29 W	V26, J42, UJ33
RADAP	21 20 15 N 104 12 27 W	UJ3, UT153
RADAS	25 32 44 N 097 06 06 W	J177, UT22
RADEK	19 12 27 N 089 53 59 W	UA770, UM208
RAILY	24 50 02 N 101 24 39 W	UT5
RAKAL	22 16 25 N 102 57 30 W	UQ103
RAKAR	22 45 56 N 086 27 30 W	M219, L333, UM219, UL333, UL674
RAULS	22 09 10 N 096 32 15 W	UM345, UT23
REALA	25 57 17 N 098 41 24 W	V10, UJ10
REML	19 58 21 N 101 27 31 W	V5, UJ12
RENES	20 34 04 N 089 27 06 W	V38, UJ26, T54, UT54
RERAS	19 09 13 N 097 04 10 W	UJ12
RETOM	18 18 48 N 095 50 47 W	V33, UJ34, UJ64, UT112
RETOS	25 12 28 N 099 25 32 W	V23, UJ15E
REVOT	20 59 45 N 091 43 06 W	UT17, UT85
REXES	19 55 09 N 097 33 55 W	T178, UT178
RIBAX	18 53 53 N 100 14 37 W	UT119, UT122, UT170
RIBET	20 31 48 N 096 09 01 W	UM580, UT101
RIBIS	18 35 15 N 098 42 21 W	T70, T80
RIDOL	29 22 42 N 110 33 46 W	J26, UT10
RIKAN	26 32 30 N 099 35 12 W	V37, UJ11E
ROBSO	21 45 00 N 107 07 32 W	UJ9, UJ14
ROGDI	20 55 38 N 099 53 41 W	V17, UJ14
ROKBI	28 19 53 N 106 06 42 W	UJ54

DESIGNADOR EN CLAVE NAME-CODE DESIGNATOR	COORDENADAS COORDINATES	RUTA ATS U OTRA RUTA, TMA ATS ROUTE OR OTHER ROUTE, TMA
1	2	3
ROLDA	20 23 17 N 098 00 58 W	UT167
ROLMI	19 14 18 N 090 23 17 W	UL207, UT30
RORLA	22 46 34 N 088 33 21 W	UA766, UM346, UM782
ROTGI	21 50 35 N 086 40 19 W	M219, UM219
RUBNA	25 13 27 N 103 40 31 W	V20, UJ20
RUDLO	27 42 45 N 104 18 12 W	UJ38, UJ47, UT11
RUDMA	26 38 06 N 099 49 37 W	V26, UJ11
RUDMI	21 17 20 N 089 49 03 W	UT23, L208, UL208
SABOL	18 56 35 N 097 44 39 W	UJ24, UM787
SANFE	30 53 54 N 114 54 51 W	UT4
SANJE	20 28 12 N 099 54 22 W	T162, UT131, UT162
SARIO	22 55 17 N 105 35 41 W	UJ33
SASEN	21 55 04 N 088 56 10 W	UM215, UT11
SASES	26 44 17 N 100 04 36 W	V19, V39, UJ40
SATAT	18 46 56 N 089 29 28 W	UA758, UM208
SAVEK	24 27 53 N 095 07 34 W	UM345, UT22
SAVOM	24 27 30 N 105 59 35 W	V10, V12, V27, UJ6, UJ32
SAXAV	17 02 46 N 092 32 27 W	V51
SAYUL	32 42 25 N 114 53 16 W	V135
SEBAK	21 37 02 N 088 13 35 W	B646, UB646, UT11
SEBEK	27 58 01 N 110 14 27 W	V3, V41, UJ3, UJ7
SEBON	19 20 57 N 100 08 00 W	UT124, UT125, UT144
SEDEM	21 06 20 N 103 57 02 W	UJ3
SEDUN	27 00 02 N 109 00 48 W	T49, UT49
SEGIP	17 50 21 N 101 56 21 W	V1, J1
SEKEV	20 51 54 N 105 32 37 W	UJ9, UJ14, UT75
SEKUB	23 38 30 N 103 47 05 W	V27, UJ5
SELIR	21 27 17 N 097 54 51 W	UT100
SELIS	16 48 42 N 099 03 35 W	V3, UJ16
SELUL	22 51 10 N 088 14 14 W	UM215, UM346
SESGA	27 29 43 N 107 48 07 W	V8, UJ8
SESNO	24 56 18 N 099 06 21 W	V23, J21, UJ15 E, UM206, UT37
SESVA	23 20 25N 104 14 41 W	UJ27
SETMA	29 07 31 N 106 03 23 W	J13
SETOS	21 25 49 N 101 59 18 W	V22, J13, UT127
SETRO	28 16 54 N 109 07 40 W	UT10, UT12
SEVRA	32 34 28 N 116 21 39 W	V135, UJ7
SHAPA	24 46 10 N 095 40 29 W	UT22, UT26
SHAWA	22 51 39 N 108 52 21 W	UT14, UT73, UT153
SIBAU	22 51 20 N 109 23 49 W	UL312
SIDGA	31 44 43 N 116 10 37 W	V42, J1, UJ20, T59, UT6
SIDPA	28 42 06 N 105 01 14 W	UQ102
SIFTO	20 06 14 N 089 35 31 W	A758, UA758, UT62
SIGDO	24 57 46 N 100 55 48 W	UJ31
SIGMA	19 37 02 N 086 22 00 W	A766, L214, UA766, UL214, UT29
SIKMA	30 07 17 N 106 38 21 W	UJ46, UT16

DESIGNADOR EN CLAVE NAME-CODE DESIGNATOR	COORDENADAS COORDINATES	RUTA ATS U OTRA RUTA, TMA ATS ROUTE OR OTHER ROUTE, TMA
1	2	3
SIKMO	18 35 53 N 099 01 14 W	T80
SILAC	22 38 54 N 098 51 46 W	V6, V15, J21, UJ41, UJ46
SILMA	21 02 09 N 105 29 33 W	UT4, UT73
SINLO	27 59 30 N 104 55 15 W	UT11
SISAL	21 21 15 N 89 40 39 W	A770, UA770
SOUSY	22 26 15 N 105 01 19 W	UJ7
SUSOV	24 40 50 N 104 05 55 W	V20, UJ20
SUTAR	29 52 36 N 105 47 27 W	UJ54
SUTIL	27 51 41 N 106 51 39 W	T36, UT36
SUTNU	27 33 54 N 110 09 35 W	V7
SUTOL	26 26 25 N 099 17 19 W	J21, J29
SUVES	20 19 08 N 087 18 29 W	V30, UJ24, T86, UT86
SUVLI	29 35 43 N 111 01 47 W	J92
SUVOL	21 40 02 N 088 54 47 W	M209, UM209, UT17, UT47
SUVSU	19 39 58 N 101 26 15 W	V17, UJ65
SUVUM	23 56 10 N 089 25 22 W	A766, UA766, UM580, UM782
TABGO	19 52 04 N 103 27 09 W	V61, J25
TABMI	17 12 55 N 097 05 08 W	V16, V27, J13, UT113
TABRA	17 59 45 N 102 14 53 W	V1, J1
TABSA	23 45 25 N 089 48 10 W	A770, L209, UA770, UL209, UM580
TADET	21 10 24 N 095 00 00 W	UM580, UT154
TADIR	18 45 59 N 103 47 23 W	V1, J1
TADNA	19 43 09 N 096 54 52 W	UT42, UT156
TADUL	21 27 16 N 092 49 02 W	UR522, UT85
TAGIB	26 43 47 N 100 46 56 W	V2, V68, V83, UJ2, UJ68, UJ83
TAGMO	25 18 08 N 111 53 17 W	UL312, UT50
TAJIN	20 38 32 N 096 48 22 W	UT20, UT48
TAJJO	20 23 06 N 090 04 54 W	UJ9, UT63, UT85
TAKAL	18 42 44 N 098 34 50 W	T70
TAKAN	17 56 40 N 092 13 43 W	G633, UJ25, UL349
TAKLA	22 26 28 N 098 16 58 W	V6, UJ46
TAKNI	23 18 25 N 104 36 58 W	V37, UJ37
TAKRO	19 21 21 N 102 34 08 W	V18, UJ58, UJ27
TAKSO	21 35 20 N 099 42 40 W	UJ47, UT136, UT149
TAKUG	19 23 27 N 099 43 36 W	V5, V27, UJ12
TAKUX	20 01 37 N 085 53 46 W	UM782
TALAX	21 59 14 N 089 27 43 W	R522, UR522, UT47
TALBI	26 19 17 N 099 22 45 W	V2, V49, UJ2, UJ41
TALPU	23 19 21 N 098 55 26 W	V15, J21, UJ41, UT138
TAMET	23 32 15 N 110 10 32 W	V1 W, V9, UL312, UT67
TAMSA	21 52 20 N 100 45 22 W	V43, UJ45
TAMVO	19 05 18 N 096 37 35 W	UJ24, UT110
TANEX	23 34 47 N 101 43 58 W	UQ102
TANRI	32 08 25 N 115 39 32 W	V3, UJ3
TAPRO	23 39 09 N 106 09 54 W	J141
TARBI	21 33 32 N 099 49 24 W	UJ17

DESIGNADOR EN CLAVE NAME-CODE DESIGNATOR	COORDENADAS COORDINATES	RUTA ATS U OTRA RUTA, TMA ATS ROUTE OR OTHER ROUTE, TMA
1	2	3
TASTO	28 28 56 N 105 34 00 W	UJ38, UJ47
TATGA	28 50 01 N 107 16 47 W	UJ38
TAVLO	26 43 30 N 108 01 44 W	T36, UQ104, UT36
TAXTE	20 31 21 N 089 37 26 W	A758, UA758
TECUN	14 39 47 N 092 08 41 W	A317, UA317
TEDZI	22 11 28 N 102 28 15 W	V27, J13
TEFMO	20 46 31 N 086 59 08 W	B879, UB879
TEILA	20 52 22 N 103 41 40 W	UJ3
TEKAS	25 20 03 N 108 40 27 W	UJ3
TENAY	22 44 44 N 108 32 02 W	UT14, UT71, UT73, UT153
TEPAS	23 49 19 N 099 35 01 W	V12, UJ6
TETIN	27 09 32 N 109 20 32 W	T49, UT49
TETUK	18 17 47N 092 01 15 W	V30, UJ25
TETUN	25 33 50 N 102 56 47 W	V10, UJ10
TEVEK	20 08 00 N 104 34 44 W	UJ9
TEVET	19 20 18 N 097 02 44 W	T108, T172, UT108, UT172
TEVIR	31 54 23 N 115 47 50 W	UT18
TEVON	21 57 29N 102 08 50W	UT44, UT60
TEVOS	18 25 39 N 098 55 25 W	UT113, UT114, UT115, UT116
TEXCA	17 24 21 N 099 35 13 W	V15, J21
TIDEK	19 41 57 N 104 04 15 W	V26, UJ9, UJ11
TIDIL	20 29 07 N 101 28 23 W	V16, UJ63
TIKIT	20 47 33 N 103 45 42 W	V3, V5, UJ12
TILOB	19 13 11 N 097 19 02 W	T109, UT109
TILOS	19 58 42 N 089 16 17 W	V30, B753, UB753, UJ24, T86, UT86
TIMAS	24 57 08 N 096 00 25 W	UM575, UT22
TOPOS	32 09 07 N 116 34 49 W	V42, J1, UJ20, UT6
TOREO	20 19 55 N 099 38 16 W	T162, T168, UT162, UT168
TOVER	24 39 49 N 107 55 20 W	V10, UJ10
TOVES	31 27 34 N 116 25 48 W	T64, UT64
TOYAC	25 06 04 N 108 24 38 W	UJ3
TUGET	18 23 56 N 088 38 56 W	B753, UB753
TUGIR	24 09 03 N 103 36 20 W	V12, UJ6
TUKEV	13 47 23 N 093 34 41 W	UP659
TULES	24 27 46 N 110 33 11 W	V1, J1, UJ9
TULUN	23 17 52 N 097 10 15 W	UM575, UT48, UT151
TULUS	23 59 18 N 098 45 57 W	V43, J25
TUMAP	31 44 34 N 115 56 53 W	UT4
TUMEN	18 49 45 N 098 21 29 W	V21, UJ39
TUZAS	19 22 36 N 101 07 47 W	V18, V39, J42, UJ17, UJ58
UBVIV	25 51 15 N 100 39 03 W	V37, UJ32
UBVOV	20 44 42 N 095 00 00 W	UT20, UT24, UT90, UT101
UDGAL	21 21 33 N 107 21 32 W	J1
UDGUV	20 48 26 N 087 46 29 W	V56, UJ84, UT78
UDLOG	19 31 34 N 104 22 47 W	V26W, UT159
UDMAN	21 17 21 N 099 32 37 W	V17, UJ14, UT136

DESIGNADOR EN CLAVE NAME-CODE DESIGNATOR	COORDENADAS COORDINATES	RUTA ATS U OTRA RUTA, TMA ATS ROUTE OR OTHER ROUTE, TMA
1	2	3
UDMOV	32 11 58 N 116 31 11 W	UT4
UGATA	18 59 59 N 095 08 41 W	UL655, UT109, UT152
UGERO	16 50 37 N 095 47 27 W	UL423, UT157
UKIKI	23 39 06 N 105 23 49 W	V20, J29, UJ20
UKIRO	21 04 19 N 100 57 14 W	V27, UJ33, UT129, UT130, UT162
UKIVI	31 47 00 N 107 35 02 W	UT7
UKODA	23 36 44 N 105 28 04 W	V20, J29, UJ20, UT2
UKOKO	20 49 02 N 088 15 08 W	UM209, UT78
UKORO	17 49 00 N 090 05 30 W	A770, UA770
UKRAK	26 08 08 N 100 51 24 W	UJ68, UJ83, UT11
UKRIG	23 29 11 N 106 41 02 W	V53, UJ33
UKROR	21 41 20 N 096 48 51 W	UM345, UT46, UT151
UKSEL	23 48 54 N 107 06 14 W	V53, UJ33
UKUKU	23 02 49 N 104 30 37 W	UT2
UKUNO	19 26 02 N 098 00 51 W	T19, T107, T108, UT107, UT108, UT156
UKUXA	23 24 44 N 108 51 49 W	V57, UJ54, UT88
ULARI	23 22 16 N 086 00 00 W	UM346
ULDUD	32 22 12 N 116 23 44 W	V3, V41, UJ3
ULEBA	19 00 53 N 100 08 43 W	UT122
ULEGO	19 48 46 N 100 01 09 W	T80
ULIKO	24 56 27 N 104 46 17 W	UJ27
ULUAS	21 50 02 N 100 09 20 W	UJ47, UQ101, UT149
ULUMA	23 40 01 N 095 37 11 W	UM345, UT37
ULURO	29 07 49 N 106 01 24 W	V280, UJ47
ULUVO	19 56 55 N 102 26 17 W	UT123, UT145
UMAVO	20 07 50 N 097 47 50 W	UT101, UT103, UT104, UT169
UMAXA	27 15 41 N 107 28 55 W	T36, UT36
UMEDO	29 52 30 N 106 08 28 W	V280, UJ47
UMELO	23 25 45 N 099 55 08 W	UT132
UMETA	25 54 12 N 105 40 11 W	J141
URKOM	30 13 49 N 105 44 20 W	UJ54, UT3
URKOP	26 42 49 N 106 44 32 W	UJ54
URLET	23 42 53 N 110 53 08 W	V12, V393
URLIX	20 54 26 N 095 28 44 W	UM580, UT46
URMAS	20 20 34 N 098 38 31 W	T70
URNAD	26 27 14 N 106 50 31 W	UJ54, UT10
URNAT	20 44 37 N 100 37 02 W	V22, UT150
URPAV	29 35 17 N 105 49 59 W	UJ54
URPUP	20 44 42 N 090 00 18 W	V16, UJ16, UJ16W
URSAT	25 16 38 N 108 44 46 W	UT4
URSEV	31 38 24 N 115 19 20 W	T59, UT18
URSIX	32 36 09 N 115 49 49 W	V135, UJ7
URSOT	19 08 56 N 096 37 49 W	UJ12
URSUR	25 16 33 N 100 02 39 W	V19, UJ81, UQ101, UT44
URTAN	26 03 30 N 099 54 46 W	V37, UJ11 E
URTEL	22 31 15 N 90 23 25 W	L208, UL208, UT11, UT34, UT47

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1	2	3
URTIG	25 13 19 N 103 08 41 W	UJ47
URTOB	25 22 46 N 100 26 45 W	V26, UJ11
URTOK	21 23 36 N 085 51 28 W	G765, UG765, L333, UL333, UT29, UJ18
URTOV	19 24 02 N 098 58 09 W	UJ5,
URTUS	26 06 12 N 100 09 11 W	V15, V19, UJ45
URVEM	20 35 23 N 101 19 28 W	V14, V39, UJ14, UJ40
URVIK	23 34 34 N 101 41 19 W	UJ11
URVOD	16 52 16 N 093 19 53 W	A552, UA552
URVOX	22 42 17 N 097 54 11 W	V387, UJ53
URVUT	24 15 16 N 098 03 18 W	V387, UJ35, UJ53
USBAK	19 36 51 N 104 46 16 W	V1, J141
USBAR	27 14 59 N 100 19 32 W	V15, V20, UJ20, UJ45
USBEN	27 49 08 N 110 08 09 W	V3, V41, UJ3, UJ7
USBER	20 31 02 N 094 49 28 W	UT17, UT46
USBIL	23 08 51 N 097 16 29 W	UM575
USBIM	19 59 50 N 104 08 20 W	V26W, UT159
USBOG	23 17 02 N 109 17 37 W	V57
USBUS	21 03 57 N 089 17 38 W	V3, UJ16, UT22
USDAD	22 12 16 N 105 10 42 W	UJ3
VERBA	19 32 43 N 100 43 47 W	V16, UT124
VESKI	26 08 50 N 109 16 37 W	V3, V41, UJ3
VESKO	24 09 06 N 094 34 10 W	UT11, UT22
VETRI	21 30 27 N 089 14 21 W	UM215, UT17, UT28
VEVRA	23 42 12 N 103 52 31 W	V27, UJ5
VIBSA	23 09 50 N 107 05 34 W	J29, UT4
VICKY	22 18 19 N 103 53 51 W	UJ27, UJ33
VIDBA	17 46 51 N 092 2643 W	V51
VIDMU	20 24 47 N 093 33 52 W	UT19
VIDNO	17 49 00 N 089 25 07 W	A758, UA758
VIDRU	17 16 29 N 100 11 41 W	UJ3, UT145
VIGLA	28 44 55 N 110 38 26 W	T18, UT18
VIGTU	21 28 44 N 087 36 29 W	A766, UA766
VIKDO	24 59 14 N 104 10 31 W	V10, UJ32
VIKMO	20 48 20 N 091 16 09 W	UT78, UT85
VIKMU	28 59 54 N 105 36 31 W	V81
VIKVU	26 02 47 N 109 27 11 W	UT4
VILGI	15 01 06 N 092 44 16 W	V1, J13, UL423
VILGO	23 08 27 N 100 55 48 W	UJ31, UT136
VILPO	28 34 20 N 106 24 11 W	UJ2
VILSI	20 42 42 N 099 46 35 W	T168, UT132, UT168
VILTO	18 25 32 N 101 19 00 W	V39, UJ17
VIMBO	18 14 16 N 097 50 33 W	L423, UT157
VINVA	27 54 36 N 108 22 28 W	UJ2
VITOS	20 07 38 N 098 18 04 W	T163, T169, UT163, UT169
VITUP	19 33 33 N 096 09 42 W	V29
VIVAD	29 08 08 N 107 34 45 W	UT11

DESIGNADOR EN CLAVE NAME-CODE DESIGNATOR	COORDENADAS COORDINATES	RUTA ATS U OTRA RUTA, TMA ATS ROUTE OR OTHER ROUTE, TMA
1	2	3
VIVEP	21 09 55 N 090 30 55 W	UT17, UT24
VIVON	27 39 54 N 108 02 07 W	V11, UJ22
VIVUX	24 24 11 N 107 42 25 W	V57
VIXER	29 14 17 N 107 08 57 W	UT41
VOBED	20 56 23 N 087 13 13 W	A766, V56, UA766, UJ84
VODAG	20 17 01 N 094 26 10 W	UT19, UT46
VODIV	20 18 48 N 092 02 58 W	UJ18, UT42, UT94
VOGAS	20 09 29 N 102 04 26 W	V5, UJ12
VOGON	16 14 54 N 096 00 05 W	UP659
VOKAM	17 39 13 N 099 14 11 W	V21, UJ55, UT116
VOKES	25 48 38 N 103 45 28 W	V2, J42, UJ46
VOKIR	20 23 41 N 096 51 07 W	T61, UT61, UT101
VOKOM	30 27 26 N 106 14 04 W	V280, UJ47, UQ102
VOLAT	20 22 02 N 104 17 56 W	V14S, UJ14S, UT119
VOLEB	20 36 00 N 089 55 00 W	V3, UJ9
VOLER	22 23 51 N 101 48 23 W	UT44
VOLIS	25 13 25 N 101 46 43 W	J29, UT71
VOLOM	19 38 14 N 098 23 55 W	T163, T171, T172, T178, UT19, UT163, UT167, UT171, UT172, UT178
VOLUM	29 05 18 N 111 00 00 W	UQ104
VOLUX	20 51 59 N 103 53 09 W	V3, V5, UJ12
VOMAR	22 08 06 N 087 56 46 W	M782, UM782, UT17, UT34
VOMAS	28 03 28 N 104 51 56 W	UJ38, UJ47
VYLLA	31 20 00 N 110 56 58 W	J92, UT12
WEGUS	27 27 36 N 099 29 16 W	V359, J22
WIPPO	30 51 02 N 105 23 27 W	J141
XOLGA	23 31 20 N 103 36 38 W	V27, UJ5, UT1
XOLPO	19 54 40 N 088 35 44 W	UT30
XOLRO	20 49 43 N 090 05 11 W	UJ18, UT42, UT63, UT78, UT94
XOMGA	24 30 31 N 107 50 21 W	V12, UJ32
XOMLU	22 34 01 N 098 38 03 W	UJ35, UJ46
XOMSA	24 25 22 N 110 05 25 W	V8, UJ8
XOMSO	16 33 15 N 093 22 39 W	V3, UJ9, UJ47
XONTA	16 34 57 N 96 34 39 W	V27, UJ33, UL308, UT158
XOPGI	22 23 31 N 086 32 42 W	B646, R522, M219, UB646, UR522, UM219
XOPMA	23 12 24 N 100 06 42 W	UJ46, UQ101
XOPRU	23 33 09 N 109 44 13 W	V1E
XOPUT	21 52 24 N 086 03 59 W	B879, L333, UB879, UL333
XOPVO	17 00 20 N 095 44 24 W	UJ47, UL318
XORAR	22 17 14 N 087 20 23 W	R522, L214, UR522, UL214
XORID	20 39 31 N 102 47 54 W	V32, UT150
XORMA	22 40 50 N 098 01 10 W	V23

DESIGNADOR EN CLAVE NAME-CODE DESIGNATOR	COORDENADAS COORDINATES	RUTA ATS U OTRA RUTA, TMA ATS ROUTE OR OTHER ROUTE, TMA
1	2	3
XORUB	24 22 20 N 107 19 22 W	V53, UJ33
XORUV	18 14 05 N 095 22 06 W	UJ64, UT112
XORVO	24 09 16 N 103 13 55 W	V12, UJ6, UT1
XOSAS	20 19 35 N 100 30 45 W	V17, UJ17, UT126, UT127, UT128
XOSGI	24 09 13 N 106 24 07 W	V5, UJ12, UT2
XOSIM	23 28 21 N 100 29 29 W	V11, UJ46
XOSIX	20 35 14 N 087 47 45 W	V45, UJ9
XOSLO	15 52 41 N 096 05 32 W	V1, UJ9
XOSMA	29 04 38 N 113 47 05 W	UT6
XOSOK	20 51 12 N 098 09 20 W	T163, UT163
XOSPU	20 53 18 N 105 37 55 W	UJ48
XOSUD	19 55 28 N 099 53 16 W	V43, UJ45
XOSVO	17 09 39 N 096 22 40 W	V16, UJ16, UL423, UT157
XOTAT	25 40 35 N 099 44 59 W	UT11
XOTIN	25 17 53 N 103 45 49 W	V10, UJ32
XOTKI	19 45 47 N 099 56 32 W	V32, J13
XOTNA	21 11 58 N 087 38 27 W	V3, UJ16, UT23
XOTOL	21 54 27 N 101 49 25 W	V61, UT147
XOTUG	24 39 35 N 096 12 55 W	UM575, UT11
XOVAB	20 01 08 N 100 15 29 W	V27, V32, UT144
XOVAV	21 20 14 N 088 16 13 W	V3, UJ16, UT23
XOVES	27 02 18 N 099 41 45 W	V26, UJ11
XOVOM	23 58 48 N 101 58 44 W	UQ102, UT5
XOXAD	23 08 01 N 098 12 07 W	V23
XOXIL	29 03 15 N 103 00 33 W	UJ15
XUBNO	22 40 46 N 092 01 44 W	UM580, UT22
XUBSU	21 35 08 N 090 13 09 W	UT22
XUBUD	22 41 37 N 106 04 22 W	V1, J141
XUDED	21 51 04 N 105 03 45 W	UT148
XUDUN	21 22 11 N 088 25 17 W	V3, UJ16, UT23, UT28, UT47, UT55
XUGAD	25 05 07 N 102 39 47 W	UQ102, UT1
XUGNU	22 56 22 N 109 19 44 W	UJ9, UJ14
XUKMA	25 09 37 N 107 19 48 W	UJ54
XUKVA	20 12 05 N 100 14 18 W	V27, UT144
XULMA	25 11 40 N 109 11 56 W	V41, UJ51
YEDRA	13 43 59 N 097 12 02 W	UL344
YOLKO	18 08 33 N 093 13 47 W	V23, UJ12
YONIS	25 54 59 N 097 31 48 W	V70
ZARCO	19 20 47 N 100 00 09 W	V18, J42, UJ58
ZONKY	32 31 36 N 117 17 08 W	UL312

ENR 4.5 LUCES AERONÁUTICAS DE SUPERFICIE – EN RUTA

En México no operan Luces Aeronáuticas de Superficie – En Ruta.