Navigation Data Alert

Date: **April 25, 2008**

Subject: **Terminal Procedures With Turns Greater Than 135 Degrees**

Navigation Databases for the Following Product Families:

- **G1000** (all models)
- **G900X** (all models)
- **GNC 430W/530W** (GPS 400W/500W, GNC 420W, GNC 420AW, GNS 430W/530W, GNS 430AW/530AW, and all TAWS versions)
- **GNC 430/530** (GPS 400/500, GNC 420, GNC 420A, GNS 430/530, GNS 430A/530A, and all TAWS versions)
- **GPS 155/165, GNC 300** (GPS 155/165, GPS 155XL, GNC 300, GNC 300XL)

All Database Cycles up to and including 0807

Garmin has discovered circumstances in some terminal procedures that, on occasion, can result in a course that differs from the published chart by as much as 10 degrees. The most significant of these circumstances occur where turns greater than 135 degrees are specified by the terminal procedure.

This situation occurs in all databases up to and including cycle 0807. Note that only two affected procedures are within the United States, and only three affected procedures are approaches.

For the G1000, G900X, GNC 430W/530W, and GNC 430/530 databases, the situation is mitigated by obtaining a database update for cycle 0808 or later. Cycle 0808 databases will be available July 24, 2008, and are effective July 31, 2008.

Due to limited navigation capability in the GPS 155/165 and GNC 300 product families, the situation will not improve with a database update.

A detailed list of affected terminal procedures is attached to the end of this notice. Pilots must exercise appropriate flight path control when the instrument procedure requires course changes greater than 135 degrees and ensure the aircraft flight path follows the course depicted on the chart.

This information is posted on the Garmin website (http://www8.garmin.com/aviation/navdataalerts.html).

PLEASE MAKE THIS INFORMATION AVAILABLE TO APPROPRIATE CREW MEMBERS, CUSTOMERS, OR OTHER USERS IMMEDIATELY!

If you have questions concerning this Navigation Data Alert,
please contact Garmin Technical Support at:
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Example:

Figure 1 below illustrates a procedure which contains a turn greater than 135 degrees. Notice the inbound course to NIVES is 194 degrees.

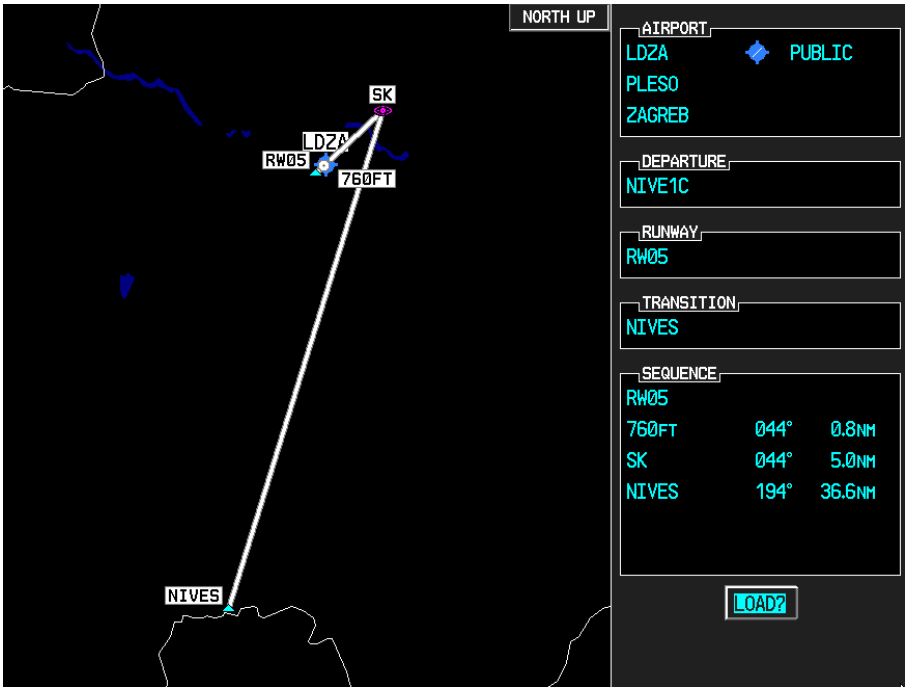

Figure 1 – Example of Affected Procedure

Figure 2 illustrates the same procedure after the database update that will be available in cycle 0808. Notice the change to the inbound course to NIVES. NOTE: This improvement will not apply to the GPS 155/165 and GNC 300 product families.

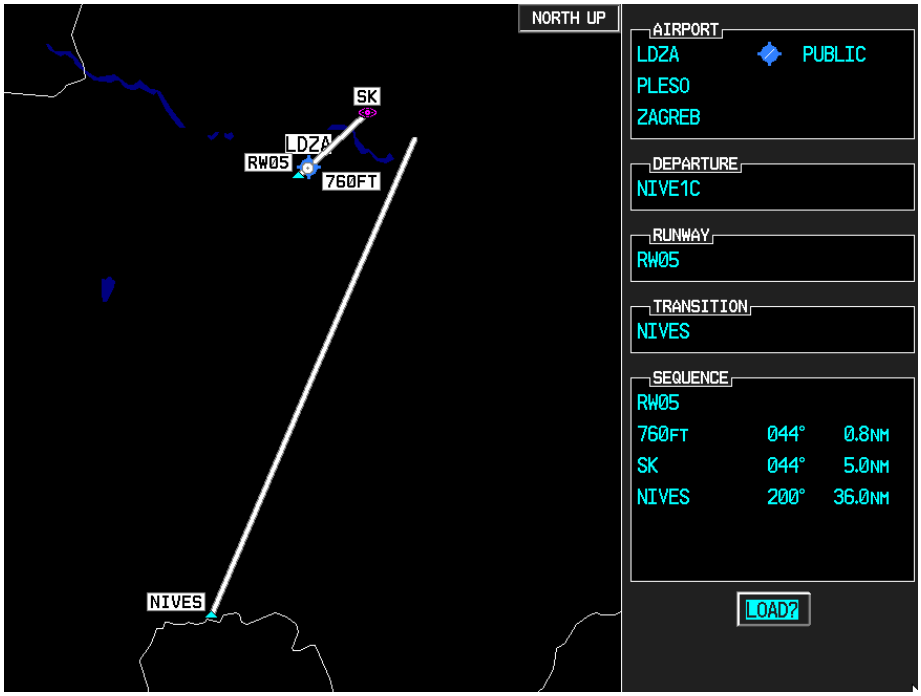

Figure 2 – Same Procedure After Database Update

Use Extra Caution When Navigating Turns At The Following Procedures:

APT	Proc.	City	State / Country	APT	Proc.	City	State / Country
DAAG	SID4	Algiers	DZA	RJGG	LAKE3	Nagoya	JPN
DAAG	SID5	Algiers	DZA	UAAA	DESO1G	Almaty	KAZ
EDOP	BDD4H	Schwerin Parchim	DEU	UAAA	GOGD1G	Almaty	KAZ
EDTY	ILS 28	Schwabisch Hall	DEU	UAAA	KERU1G	Almaty	KAZ
EGDL	BRAVO	Lyneham	GBR	UAAA	OTAR1E	Almaty	KAZ
ELLX	RATU2U	Luxembourg	LUX	UBBB	BAMA1B	Baku	AZE
ENML	KVB2C	Molde	NOR	UBBB	BAMA1D	Baku	AZE
ENML	KVB2D	Molde	NOR	UBBB	GOBU1B	Baku	AZE
ESTL	OEM1C	Ljungbyhed	SWE	UBBB	SAGI1A	Baku	AZE
EVRA	GUNT3G	Riga	LVA	UBBG	ED2C	Ganja	AZE
EVRA	SOKV2E	Riga	LVA	UBBG	ED2D	Ganja	AZE
HLLT	GASR1C	Tripoli	LBY	UHHH	ARBI2D	Khabarovsk	RUS
HLLT	SARK1D	Tripoli	LBY	UHHH	TIGM2D	Khabarovsk	RUS
HLLT	TANL1C	Tripoli	LBY	UHWW	KESA1A	Vladivostok	RUS
KTVL	RICHY5	South Lake Tahoe	CA	UHWW	PERA3A	Vladivostok	RUS
KVGT	NOTWN2	Las Vegas	NV	UHWW	SANA1A	Vladivostok	RUS
LBSF	GODE3A	Sofia	BGR	UIUU	TEGMI1	Ulan Ude	RUS
LDZA	NIVE1C	Zagreb	HRV	UKBB	BO8B	Kyiv	UKR
LEBB	PPN2E	Bilbao	ESP	UKBB	KURO8A	Kyiv	UKR
LEBB	SSN2A	Bilbao	ESP	UKBB	KURO8B	Kyiv	UKR
LEMD	BARD1K	Madrid	ESP	UKBB	PI8C	Kyiv	UKR
LEMD	CCS1K	Madrid	ESP	UKBB	PI8D	Kyiv	UKR
LEMD	ZMR1K	Madrid	ESP	UKLL	DIBE4A	L Viv	UKR
LFLB	LTP2C	Chambery	FRA	UKLL	ZL4B	L Viv	UKR
LFLL	ROMA4N	Lyon	FRA	UMBB	DIVI1D	Brest	BLR
LFLL	ROMA4R	Lyon	FRA	UMBB	MAPA1D	Brest	BLR
LFOB	MTD3N	Beauvais	FRA	UMBB	SOSU1D	Brest	BLR
LFPO	EVX1V	Paris	FRA	UNAA	DILRI1	Abakan	RUS
LFPO	EVX1X	Paris	FRA	UNNT	DD07T	Novosibirsk	RUS
LFPO	LGL1V	Paris	FRA	UNNT	EB25T	Novosibirsk	RUS
LFPO	LGL1X	Paris	FRA	UNNT	GL07T	Novosibirsk	RUS
LRBS	IDAR1D	Bucharest	ROU	UNNT	LK25T	Novosibirsk	RUS
LSZH	ZUE1V	Zurich	CHE	UNNT	OC25T	Novosibirsk	RUS
LSZR	KPT2N	St. Gallen	CHE	UNNT	SM07T	Novosibirsk	RUS
LSZR	KPT2V	St. Gallen	CHE	URMT	PETU3A	Stavropol	RUS
LUBL	ATRE1P	Balti	MDA	URRR	DR2G	Rostov Na Donu	RUS
LUBL	GETS1P	Balti	MDA	URRR	KN1A	Rostov Na Donu	RUS
LUBL	INRO1K	Balti	MDA	USHH	ABUTA3	Khanty Mansiysk	RUS
LUBL	UNDO1K	Balti	MDA	USTR	BN2A	Tyumen	RUS
LUBL	UNIR2S	Balti	MDA	USTR	KE2A	Tyumen	RUS
OERY	VDME 01	Riyadh	SAU	USTR	KE2B	Tyumen	RUS
OERY	TACAN 01	Riyadh	SAU	WIII	DKI1D	Jakarta	IDN
RCSS	ST3M	Taipei	TWN	WIII	HLMIJ	Jakarta	IDN
RCSS	ST3T	Taipei	TWN	WMKK	BATARA	Kuala Lumpur	MYS
RJFZ	HIME1R	Nakatsu	JPN	WMKK	DUMOKC	Kuala Lumpur	MYS
RJFZ	NAKA1R	Nakatsu	JPN	WMKK	GEMASA	Kuala Lumpur	MYS