



Due to system, software, or source data limitations, some data items are excluded from the final database for the following products covered under Garmin's Type 2 LOA. The following lists detail those data items excluded for the 2512 cycle. (Note: Details of those data [items excluded for cycle 2511](#) are also reprinted below following the cycle 2512 exclusions.)

This exclusions report is for the Navigation Database by Jeppesen. To see a list of data items excluded from the Garmin Navigation Database, please see our other [exclusions report](#).

To view Garmin's other Database Declarations, including Garmin's Type 2 LOA and Release Statement, [click here](#).

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RNP AR approaches removed due to validation failure

The following issue affects Garmin avionics that use RNP AR navigation databases:

Some RNP AR approaches and departures have been withheld from RNP AR navigation databases due to failing Jeppesen's RNP AR validation checks. These checks are performed as a part of the FAA-approved Jeppesen-Garmin database validation process explained in the following approval letter: FAA RNP AR Procedure Data Validation Approval. A list of the excluded approaches can be found in the cyclic report posted on Jeppesen's website at the following link:

<https://support.jeppesen.com/page?page=a4F0z0000019KqsEAE&pt=a3a6000000ZNSgAAO>

Approaches affected by CDI/HSI scaling issues

The following issue affects all SBAS (WAAS) enabled Garmin Integrated Flight Decks (**G1000/Embraer Prodigy™/Cirrus Perspective™/G950/G900X**), **4XXW/5XXW series**, and SBAS (WAAS) enabled **GNS 480/CNX80** units:

CDI (Course Deviation Indicator)/HSI (Horizontal Situation Indicator) scaling on a limited number of LNAV/VNAV, and LNAV+V approaches is incorrect. LPV approaches and LNAV approaches without advisory (+V) vertical guidance are not affected. Please see the corresponding Garmin Service Advisory (SA1047) for additional information: <https://support.garmin.com/en-US/aviation/faq/QFbBzpTh7R5w4QjOo4F3c9>

Resolution Status

Garmin product family:	Resolved in software version:	Ref. Service Bulletin (if applicable):
G1000 family	GDU v12.10 and later	n/a
G2/3/5000	v6.50 and later	n/a
GTN	v6.20 and later	n/a
G600	v7.10 and later	n/a
4XXW/5XXW series	v5.03 and later	SB 1317
GNS 480/CNX80	v2.4 and later	SB 1519

For GNS 480/CNX80 units affected by this issue, the approaches in the table below are unavailable.

Airport ID	Approach ID	Region Name
16J	R32	UNITED STATES
19MT	R06	UNITED STATES
24A	R33	UNITED STATES
46U	R13-M	UNITED STATES
65S	R02	UNITED STATES
6A4	R25	UNITED STATES
7B2	R14	UNITED STATES
8S1	R18	UNITED STATES
8S1	R36	UNITED STATES
9N3	R04	UNITED STATES
9Y1	R13	UNITED STATES
AGGH	R06	SOLOMON ISLANDS
BGBW	RNVA	GREENLAND
BGBW	RNVB	GREENLAND
BIHN	R18	ICELAND
CAD4	R34	CANADA
CBD6	R34-Z	CANADA
CBQ7	R29	CANADA
CEC4	R20-Y	CANADA
CEC4	R20-Z	CANADA

Airport ID	Approach ID	Region Name
CFQ6	R08	CANADA
CFQ6	R26	CANADA
CSM3	R24	CANADA
CYCZ	R34-Y	CANADA
CYCZ	R34-Z	CANADA
CYDA	R03-Y	CANADA
CYDA	R03-Z	CANADA
CYDB	R11-Z	CANADA
CYDB	R29-Z	CANADA
CYDC	R22-Y	CANADA
CYDC	R22-Z	CANADA
CYDM	R09	CANADA
CYGE	R14	CANADA
CYLT	R05	CANADA
CYOD	R04	CANADA
CYOD	R13L	CANADA
CYOD	R13R	CANADA
CYOD	R22	CANADA
CYOD	R31L	CANADA
CYOD	R31R	CANADA
CYPZ	R11-Z	CANADA
CYPZ	R29-Z	CANADA
CYQZ	R31-Z	CANADA
CYVK	R05-Y	CANADA
CYVK	R05-Z	CANADA
CYXC	R16-Z	CANADA
CYXT	R15-Z	CANADA
CYXT	R33-Z	CANADA
CYYD	R15-Z	CANADA
CYZT	R08-Z	CANADA
CZAM	R14	CANADA
CZAM	R32	CANADA
DNGO	R05	NIGERIA
DNGO	R23	NIGERIA
DNIB	R04	NIGERIA
DNIB	R22	NIGERIA
DNKT	R05	NIGERIA
DNKT	R23	NIGERIA
DNYO	R17	NIGERIA
DNYO	R35	NIGERIA
E24	R01-M	UNITED STATES

Airport ID	Approach ID	Region Name
EDDC	R04	GERMANY
EDDC	R22	GERMANY
EDDS	R07	GERMANY
EDDS	R25	GERMANY
EDFM	R27	GERMANY
EDRY	R16-Z	GERMANY
EDRY	R34-Z	GERMANY
EGAA	R07	UNITED KINGDOM
EGCC	R23L	UNITED KINGDOM
EGGP	R09	UNITED KINGDOM
EGKK	R08L	UNITED KINGDOM
EGKK	R08R	UNITED KINGDOM
EGKK	R26L	UNITED KINGDOM
EGKK	R26R	UNITED KINGDOM
EGLL	R09L	UNITED KINGDOM
EGLL	R09R	UNITED KINGDOM
EGLL	R27L	UNITED KINGDOM
EGLL	R27R	UNITED KINGDOM
EGPK	R30	UNITED KINGDOM
EGXW	R02	UNITED KINGDOM
EGXW	R20	UNITED KINGDOM
ENAL	R24-Y	NORWAY
ENAS	R30	NORWAY
ENAT	RNVB	NORWAY
ENBL	R25-Z	NORWAY
ENBO	R25	NORWAY
ENEV	R35-Z	NORWAY
ENFL	R25	NORWAY
ENLK	R02	NORWAY
ENNO	R12	NORWAY
ENNO	R30	NORWAY
ENSB	R27-Z	NORWAY
ENSD	R26	NORWAY
ENSG	RNVA	NORWAY
ENST	R20-Z	NORWAY
ENTC	R18-Z	NORWAY
ENTC	R36-Z	NORWAY
ESUT	R15	SWEDEN
ETHF	R29	GERMANY
FALE	R06	SOUTH AFRICA
FALE	R24	SOUTH AFRICA

Airport ID	Approach ID	Region Name
FAOR	R03R	SOUTH AFRICA
FAOR	R21L	SOUTH AFRICA
FMNA	R13	MADAGASCAR
FMNR	R14	MADAGASCAR
FMNR	R32	MADAGASCAR
FMSD	R08	MADAGASCAR
FMSD	R26	MADAGASCAR
GATS	R05	MALI
GATS	R23	MALI
GMMD	R23	MOROCCO
GMMW	R08	MOROCCO
GMMZ	R30	MOROCCO
HAJM	R31	ETHIOPIA
HDAM	R09-Y	DJIBOUTI
HEAX	R14L	EGYPT
HEAX	R14R	EGYPT
HECA	R05L	EGYPT
HECA	R23C	EGYPT
HKIS	R15	KENYA
HKIS	R33	KENYA
HTGW	R27	TANZANIA
KABQ	R08-Y	UNITED STATES
KAFO	R34	UNITED STATES
KAGS	R26	UNITED STATES
KAXX	R17	UNITED STATES
KBCE	R03	UNITED STATES
KBDN	R34	UNITED STATES
KBIH	R12-Y	UNITED STATES
KBIH	R12-Z	UNITED STATES
KBML	R18	UNITED STATES
KBTV	R33-Y	UNITED STATES
KCHA	R15	UNITED STATES
KCMA	R26-Y	UNITED STATES
KCZG	R03	UNITED STATES
KCZG	R21	UNITED STATES
KDNA	R10	UNITED STATES
KEEO	R03	UNITED STATES
KEKN	R05	UNITED STATES
KEKO	R24	UNITED STATES
KGCD	R09-Y	UNITED STATES
KGFL	R12	UNITED STATES

Airport ID	Approach ID	Region Name
KGIC	R26	UNITED STATES
KGNT	R31	UNITED STATES
KGPI	R30	UNITED STATES
KHIE	R10-Y	UNITED STATES
KHLN	R09-Y	UNITED STATES
KHSG	R05	UNITED STATES
KLEB	R25	UNITED STATES
KLXV	R16	UNITED STATES
KMEZ	R17	UNITED STATES
KMFR	R14-Y	UNITED STATES
KMGJ	R22	UNITED STATES
KMMI	R02	UNITED STATES
KMPV	R35	UNITED STATES
KMTJ	R35	UNITED STATES
KMYL	R16	UNITED STATES
KNID	R32	UNITED STATES
KOKB	R25	UNITED STATES
KPAN	R24	UNITED STATES
KRDM	R29-Y	UNITED STATES
KRIL	R08-Y	UNITED STATES
KRIL	R26-W	UNITED STATES
KRNO	R35RX	UNITED STATES
KROA	R06-Y	UNITED STATES
KSAF	R28	UNITED STATES
KSBS	R32-Z	UNITED STATES
KSGU	R19	UNITED STATES
KSNS	R31-Y	UNITED STATES
KSTS	R14	UNITED STATES
KSVE	R29	UNITED STATES
KSWF	R16	UNITED STATES
KTAD	R03	UNITED STATES
KTRK	R11	UNITED STATES
KUDD	R10	UNITED STATES
KVBW	R15	UNITED STATES
KVSF	R05	UNITED STATES
KWHP	R12	UNITED STATES
L71	R06	UNITED STATES
LAKU	R19	ALBANIA
LFGJ	R05-Y	FRANCE
LFKS	R18-Y	FRANCE
LFKS	R18-Z	FRANCE

Airport ID	Approach ID	Region Name
LFMH	R17-X	FRANCE
LFMH	R17-Y	FRANCE
LFMN	R04LY	FRANCE
LFMN	R04RY	FRANCE
LFMP	R15	FRANCE
LFOP	R04	FRANCE
LFPB	R25	FRANCE
LFPV	R09	FRANCE
LFRB	R25L	FRANCE
LFRH	R20	FRANCE
LFRK	R13	FRANCE
LFRM	R20	FRANCE
LFRU	R04	FRANCE
LFSI	R11	FRANCE
LFSI	R29	FRANCE
LGAD	R34R	GREECE
LGSR	R15	GREECE
LIPO	R32-Z	ITALY
LIRP	R22LY	ITALY
LIRP	R22LZ	ITALY
LOXZ	R26L	AUSTRIA
LSZG	R24	SWITZERLAND
LSZS	R03	SWITZERLAND
LSZS	R21	SWITZERLAND
LTAD	R11L	TURKEY
LTAE	R03	TURKEY
LTAH	R31R	TURKEY
LTAU	R25	TURKEY
LTAW	R06	TURKEY
LTAY	R05	TURKEY
LTBA	R05-Z	TURKEY
LTBA	R23-Z	TURKEY
LTBH	R22	TURKEY
LTBI	R26	TURKEY
LTBJ	R16LZ	TURKEY
LTBJ	R16RZ	TURKEY
LTBL	R17	TURKEY
LTBS	R19	TURKEY
LTCE	R26R	TURKEY
LTCF	R06R	TURKEY
LTCF	R24L	TURKEY

Airport ID	Approach ID	Region Name
LTCF	R24R	TURKEY
LTCN	R25	TURKEY
LTCT	R12	TURKEY
LTCW	R11	TURKEY
LTCW	R29	TURKEY
LTFD	R05	TURKEY
LTFD	R23	TURKEY
LTFE	R10L	TURKEY
LTFJ	R06LZ	TURKEY
LTFJ	R06RZ	TURKEY
LTFJ	R24RZ	TURKEY
MMTJ	R27-Z	MEXICO
NTMD	R06	FRENCH POLYNESIA
NTMD	R24	FRENCH POLYNESIA
NTMN	R02	FRENCH POLYNESIA
NWWW	R11	NEW CALEDONIA
O02	R26-Y	UNITED STATES
O43	R02	UNITED STATES
OAKB	R29	AFGHANISTAN
OETR	R10	SAUDI ARABIA
OIKJ	R31	IRAN
OPPG	R13	PAKISTAN
OPPG	R31	PAKISTAN
ORSU	R13	IRAQ
ORSU	R31	IRAQ
OTBD	R15	QATAR
OYSY	R07	YEMEN ARAB REP
P52	R32	UNITED STATES
PABI	R10	USA
PAGL	R03	USA
PAIL	R08	USA
PAIL	R18	USA
PAKV	R03	USA
PAKW	R02-Y	USA
PAKW	R20	USA
PAKX	R06R	USA
PANO	R02	USA
PAOB	R27	USA
PARC	R02	USA
PARC	R20	USA
PAUT	R09	USA

Airport ID	Approach ID	Region Name
PAUT	R27	USA
PAWG	R10	USA
PFFK	R07	USA
PHNL	R08LY	USA
PHNL	R08R	USA
PHOG	R02-Y	USA
RKTN	R31L	SOUTH KOREA
RKTN	R31R	SOUTH KOREA
SCSE	R30-X	CHILE
SKRG	R01	COLOMBIA
SWMK	R08	BRAZIL
T89	R07	UNITED STATES
TISX	R28	VIRGIN ISLANDS (US)
U55	R36	UNITED STATES
UDYZ	R26-Z	ARMENIA
UHMP	R17	RUSSIA
UHSI	R31	RUSSIA
VLBK	R21	LAOS
VNBW	R10	NEPAL
VVDB	R35-Y	VIETNAM
VVDB	R35-Z	VIETNAM
W13	R06	UNITED STATES
W13	R24	UNITED STATES
WAQJ	R04	INDONESIA
WAQJ	R22	INDONESIA
WATC	R23	INDONESIA
WIMF	R15	INDONESIA
YCKN	R29	AUSTRALIA
YCOM	R18	AUSTRALIA
YCRG	R24	AUSTRALIA
YLEC	R11	AUSTRALIA
YMNG	R36	AUSTRALIA
YSHL	R34	AUSTRALIA
YSTH	R08	AUSTRALIA
YWYM	R12	AUSTRALIA
ZMCK	R11	MONGOLIA
ZMCK	R29	MONGOLIA
ZMKD	R34	MONGOLIA

For all other units affected by this issue, the following approaches are available as LNAV only:

Airport ID	Approach ID	Region Name	Area
BGGH	R22-Y	Greenland	EUR
BGGH	R22-Z	Greenland	EUR
BIEG	R21	Iceland	EUR
BIKR	R36	Iceland	EUR
BIRK	R19	Iceland	EUR
CYDB	R11-Z	Canada	CAN
CYDB	R29-Z	Canada	CAN
CYYD	R15-Z	Canada	CAN
DAAE	R08-Z	Algeria	AFR
DNMM	R18R	Nigeria	AFR
DXNG	R03	Togo	AFR
DXNG	R21	Togo	AFR
EDDC	R04	Germany	EUR
EDDC	R22	Germany	EUR
EDDS	R25	Germany	EUR
EDRY	R16-Z	Germany	EUR
EDRY	R34-Z	Germany	EUR
EGAA	R07	United Kingdom	EUR
EGCC	R23L	United Kingdom	EUR
EGGP	R09	United Kingdom	EUR
EGKK	R08L	United Kingdom	EUR
EGKK	R08R	United Kingdom	EUR
EGKK	R26L	United Kingdom	EUR
EGKK	R26R	United Kingdom	EUR
EGLL	R09L	United Kingdom	EUR
EGLL	R09R	United Kingdom	EUR
EGLL	R27L	United Kingdom	EUR
EGLL	R27R	United Kingdom	EUR
EGPK	R30	United Kingdom	EUR
EGXW	R02	United Kingdom	EUR
EGXW	R20	United Kingdom	EUR
EGYP	R10	United Kingdom	SAM
EIDW	R28LT	Ireland	EUR
ENAL	R24-Y	Norway	EUR
ENBO	R25	Norway	EUR
ENLK	R02	Norway	EUR
ENNA	R16-Z	Norway	EUR
ENNA	R34-Z	Norway	EUR
ENSB	R09-Z	Norway	EUR
ENST	R20-Z	Norway	EUR
ESGG	R03-Z	Sweden	EUR

Airport ID	Approach ID	Region Name	Area
ESKS	R15	Sweden	EUR
ESKS	R33	Sweden	EUR
ESMS	R17-Z	Sweden	EUR
ESMS	R35-Z	Sweden	EUR
ESNN	R16	Sweden	EUR
ESNN	R34	Sweden	EUR
ESNU	R14	Sweden	EUR
ESNU	R32	Sweden	EUR
ESSA	R19L	Sweden	EUR
ETHF	R29	Germany	EUR
FACT	R19	South Africa	AFR
FIMP	R14-Z	Mauritius	AFR
FMCH	R02	Madagascar	AFR
FMCZ	R16	Madagascar	AFR
FMCZ	R34	Madagascar	AFR
FMEE	R12-Z	Madagascar	AFR
FMEE	R14-Z	Madagascar	AFR
FMEE	R30	Madagascar	AFR
FMEP	R15	Madagascar	AFR
FMMI	R11	Madagascar	AFR
FMMI	R29	Madagascar	AFR
FMNM	R14	Madagascar	AFR
FMNM	R32	Madagascar	AFR
FMNN	R05	Madagascar	AFR
FNBj	R06L	Angola	AFR
FNBj	R24L	Angola	AFR
FXMM	R04	Lesotho	AFR
FYWH	R08	Namibia	AFR
FYWH	R26	Namibia	AFR
GCFV	R01	Canary Island	AFR
GCLA	R36-Y	Canary Island	AFR
GCXO	R30-Y	Canary Island	AFR
GMFK	R31	Morocco	AFR
GMMD	R05	Morocco	AFR
GMME	R21	Morocco	AFR
GOBD	R01	Senegal	AFR
GOBD	R19	Senegal	AFR
GVBA	R03	Cape Verde	AFR
HAAB	R25LZ	Ethiopia	AFR
HDAM	R09-Z	Djibouti	AFR
HESH	R04L	Egypt	AFR

Airport ID	Approach ID	Region Name	Area
HESH	R04R	Egypt	AFR
HKMO	R03	Kenya	AFR
HKWJ	R33	Kenya	AFR
HSPN	R34	Sudan	AFR
HTAR	R09	Tanzania	AFR
HTAR	R27	Tanzania	AFR
KMEV	R34	United States	USA
KPAN	R24	United States	USA
KRNO	R35LX	United States	USA
KRNO	R35RX	United States	USA
LATI	R17	Albania	EUR
LEAM	R25-Y	Spain	EUR
LEBA	RNVA	Spain	EUR
LEBL	R06LY	Spain	EUR
LEBL	R06RY	Spain	EUR
LEMD	R18LY	Spain	EUR
LEMD	R18RY	Spain	EUR
LEMD	R32RY	Spain	EUR
LEMG	R12-Y	Spain	EUR
LEMG	R13-Y	Spain	EUR
LEPA	R24LY	Spain	EUR
LEPA	R24RY	Spain	EUR
LEVT	R22-Y	Spain	EUR
LEXJ	R29-Y	Spain	EUR
LFGJ	R05-Y	France	EUR
LFKS	R18-Y	France	EUR
LFLC	R26-Y	France	EUR
LFMH	R17-X	France	EUR
LFMP	R15	France	EUR
LFRB	R25L	France	EUR
LFRK	R13	France	EUR
LFRS	R21	France	EUR
LGKR	R16	Greece	EUR
LGTS	R34-Z	Greece	EUR
LICC	R08-Y	Italy	EUR
LICC	R08-Z	Italy	EUR
LIEE	R32	Italy	EUR
LIEO	R05	Italy	EUR
LIEO	R23-Z	Italy	EUR
LIRP	R04L	Italy	EUR
LIRP	R04R	Italy	EUR

Airport ID	Approach ID	Region Name	Area
LIRQ	R05-Z	Italy	EUR
LJLJ	R30-Z	Slovenia	EUR
LLBG	R08	Israel	MES
LLBG	R12	Israel	MES
LLBG	R26	Israel	MES
LPPR	R17-Y	Portugal	EUR
LQBK	R34	Bosnia-Herzegovina	EUR
LQMO	R33	Bosnia-Herzegovina	EUR
LQTZ	R09	Bosnia-Herzegovina	EUR
LROD	R19	Romania	EEU
LTBH	R04	Turkiye	MES
LTFH	R13	Turkiye	MES
LTFH	R31	Turkiye	MES
LTFM	R16RZ	Turkiye	MES
LTFM	R17LZ	Turkiye	MES
LTFM	R18-Z	Turkiye	MES
LTFM	R34LZ	Turkiye	MES
LTFM	R35RZ	Turkiye	MES
LTFM	R36-Z	Turkiye	MES
LYNI	R11	Serbia	EUR
MKJS	R07	Jamaica	LAM
MMGL	R29L	Mexico	LAM
MMGL	R29R	Mexico	LAM
MTCH	R05-Z	Haiti	LAM
MTCH	R23	Haiti	LAM
MTPP	R10	Haiti	LAM
MUBA	R16	Cuba	LAM
MUBA	R34	Cuba	LAM
MUCU	R10	Cuba	LAM
MUCU	R28	Cuba	LAM
NSFA	R08	American Samoa	SPA
NSFA	R26	American Samoa	SPA
NTAA	R04	French Polynesia	SPA
NTAA	R22	French Polynesia	SPA
NZPM	R25-W	New Zealand	SPA
OEJN	R16R	Saudi Arabia	MES
OEMA	R17	Saudi Arabia	MES
OEMA	R18	Saudi Arabia	MES
OEMA	R35	Saudi Arabia	MES
OERK	R15R	Saudi Arabia	MES
OIZH	R35L	Iran	MES

Airport ID	Approach ID	Region Name	Area
OJAI	R08L	Jordan	MES
OJAI	R26R	Jordan	MES
OJAM	R24	Jordan	MES
OJAQ	R19	Jordan	MES
OMAA	R13RZ	United Arab Emirates	MES
OMAA	R31LZ	United Arab Emirates	MES
OMAD	R13	United Arab Emirates	MES
OMAD	R31	United Arab Emirates	MES
OMDB	R12R	United Arab Emirates	MES
OMDB	R30R	United Arab Emirates	MES
OOMS	R08R	Oman	MES
OOSA	R07	Oman	MES
OOSA	R25	Oman	MES
OTBD	R33	Qatar	MES
OTHH	R16L	Qatar	MES
OTHH	R16LT	Qatar	MES
OTHH	R16R	Qatar	MES
OTHH	R34L	Qatar	MES
OTHH	R34R	Qatar	MES
OTHH	R34RT	Qatar	MES
OYSN	R18	Yemen	MES
OYSN	R36	Yemen	MES
PAUT	R27	United States Of America	CAN
RJAA	R34R	Japan	PAC
RJBB	R06RY	Japan	PAC
RJBE	R09	Japan	PAC
RJBT	R01	Japan	PAC
RJFF	R34L	Japan	PAC
RJOI	R02	Japan	PAC
RJSM	R28	Japan	PAC
RJTQ	R20	Japan	PAC
RJTT	R16L	Japan	PAC
RJTT	R16R	Japan	PAC
RKPS	R06L	South Korea	PAC
RKPS	R06R	South Korea	PAC
RPME	R12	Philippines	PAC
RPME	R30	Philippines	PAC
RPMZ	R09	Philippines	PAC
RPMZ	R27	Philippines	PAC
RPUN	R04	Philippines	PAC
RPVI	R02	Philippines	PAC

Airport ID	Approach ID	Region Name	Area
RPVI	R20	Philippines	PAC
RPVM	R04L	Philippines	PAC
RPVM	R04R	Philippines	PAC
RPVM	R22L	Philippines	PAC
RPVM	R22R	Philippines	PAC
RPVP	R27	Philippines	PAC
SACO	R19	Argentina	SAM
SACO	R23	Argentina	SAM
SADP	R17	Argentina	SAM
SANT	R20	Argentina	SAM
SASJ	R34	Argentina	SAM
SAVC	R07	Argentina	SAM
SAVE	R23-Z	Argentina	SAM
SAWC	R25	Argentina	SAM
SAWH	R25-Z	Argentina	SAM
SAZS	R11	Argentina	SAM
SAZS	R29-Y	Argentina	SAM
SAZS	R29-Z	Argentina	SAM
SAZY	R06-X	Argentina	SAM
SBBR	R11LW	Brazil	SAM
SBBR	R29LV	Brazil	SAM
SBBR	R29LX	Brazil	SAM
SCVM	R23	Chile	SAM
SKBO	R14L	Colombia	SAM
SKBO	R14R	Colombia	SAM
TFFF	R28	Guadeloupe	LAM
TFFR	R12-Z	Guadeloupe	LAM
UAAL	R27	Kazakhstan	EEU
UACC	R04	Kazakhstan	EEU
UACC	R22	Kazakhstan	EEU
UAIL	R28	Kazakhstan	EEU
UASK	R30	Kazakhstan	EEU
UDSG	R20	Armenia	EEU
UDYZ	R08	Armenia	EEU
UHMA	R02	Russia	EEU
UHMA	R20	Russia	EEU
UHMM	R10	Russia	EEU
UHMM	R28	Russia	EEU
UIII	R30	Russia	EEU
UIUU	R08	Russia	EEU
UIUU	R26	Russia	EEU

Airport ID	Approach ID	Region Name	Area
UMMS	R13L	Belarus	EEU
UMMS	R31R	Belarus	EEU
URML	R14	Kazakhstan	EEU
URML	R32	Kazakhstan	EEU
USPP	R21	Russia	EEU
UTDD	R27	Kazakhstan	EEU
UDD	R31C	Russia	EEU
UDD	R31L	Russia	EEU
UDD	R31R	Russia	EEU
UUEE	R06L	Russia	EEU
UUEE	R24R	Russia	EEU
VABB	R09-Y	India	MES
VABB	R14-Y	India	MES
VANM	R26	India	MES
VEGY	R28-Y	India	MES
VHHH	R25CZ	Hong Kong	PAC
VHHH	R25RZ	Hong Kong	PAC
VIKG	R05-Y	India	MES
VNBW	R28-Y	Nepal	MES
VOBL	R09L	India	MES
VOBL	R09RY	India	MES
VOBL	R27R	India	MES
VOCL	R28-Y	India	MES
VOTP	R08	India	MES
VOTP	R26	India	MES
VTCC	R18	Thailand	PAC
VTCH	R02	Thailand	PAC
VTCT	R03	Thailand	PAC
WAAA	R21	Indonesia	SPA
WAEE	R32-Z	Indonesia	SPA
WAFQ	R35	Indonesia	SPA
WAMM	R36	Indonesia	SPA
WAMP	R31	Indonesia	SPA
WAQT	R01	Indonesia	SPA
WARA	R35-Y	Indonesia	SPA
WATB	R29	Indonesia	SPA
WATL	R28	Indonesia	SPA
WBGB	R35-Y	Brunei	SPA
WBGS	R13-Y	Brunei	SPA
WBGS	R31-Y	Brunei	SPA
WBKK	R02-Y	Brunei	SPA

Airport ID	Approach ID	Region Name	Area
WBKK	R20-Y	Brunei	SPA
WIII	R07R	Indonesia	SPA
WIII	R25L	Indonesia	SPA
WIMN	R09	Indonesia	SPA
WIMN	R27	Indonesia	SPA
WMKK	R14LX	Malaysia	SPA
WMKK	R14LY	Malaysia	SPA
WMKK	R14RX	Malaysia	SPA
WMKK	R14RY	Malaysia	SPA
WMKK	R15-X	Malaysia	SPA
WMKK	R15-Y	Malaysia	SPA
WMKK	R32LX	Malaysia	SPA
WMKK	R32LY	Malaysia	SPA
WMKK	R32RX	Malaysia	SPA
WMKK	R32RY	Malaysia	SPA
WMKK	R33-X	Malaysia	SPA
WMKK	R33-Y	Malaysia	SPA
WMKN	R04-Y	Malaysia	SPA
WMKP	R22-Y	Malaysia	SPA
WMSA	R15-Y	Malaysia	SPA
WPDJ	R08-Z	Indonesia	SPA
WPDJ	R26-Z	Indonesia	SPA
YBHM	R32-Y	Australia	SPA
YEWA	R28	Australia	SPA
YGLA	R10	Australia	SPA
YLHR	R12	Australia	SPA
YMAY	R25	Australia	SPA
YMER	R03	Australia	SPA
YMLT	R32LZ	Australia	SPA
YPAD	R23	Australia	SPA
YPAD	R30	Australia	SPA
YWLM	R30-Z	Australia	SPA
ZBAY	R11	China	XYA
ZBUC	R09	China	XYA
ZBZL	R20	China	CUC

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Approaches removed due to CDI scaling issues

The following issue affects **G1000, Embraer Prodigy™, Cirrus Perspective™, G950 and G900X, G2/3/5000, GTN 6xx/7xx series product families and 4XXW/5XXW series** product families:

CDI/HSI scaling on a limited number of LPV and LNAV/VNAV approaches is incorrect. Please see the corresponding Garmin Service Advisory (SA1344) for additional information: <https://support.garmin.com/en-US/aviation/faq/cuGossw24a9aoLqvniFNo6>

Resolution Status

Garmin product family:	Resolved in software version:	Ref. Service Bulletin (if applicable):
G1000 family	GDU v15.00 and later	n/a
G2/3/5000 family	GDU v5.00 and later	n/a
4XXW/5XXW series	v5.10 and later	SB 1403
GTN 6xx/7xx	v5.13 and later	SB 1466

For units affected by this issue the approaches in the table below have been removed:

Airport ID	Approach ID	Area
CO92	R03-M	USA
KTEX	R09-M	USA
LFKC	R18-W	EUR
LFKC	R18-X	EUR
LFKJ	R02-Z	EUR
LIYC	R360	EUR

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RNAV (GPS) approaches with LP minima removed due to lack of descent angle

The following issue affects **G1000**, **Embraer Prodigy™**, **Cirrus Perspective™**, **G950** and **G900X**, **G2/3/5000**, **GTN 6xx/7xx** series product families and **4XXW/5XXW series** product families.

Some RNAV (GPS) approaches have been removed due to an issue with the lack of a descent angle on approaches that have an LP service level. For additional details, see Service Advisory 1372: <https://support.garmin.com/en-US/aviation/faq/k3WKmvvLXh7Cnf0QVug088>

Resolution Status

Garmin product family:	Resolved in software version:	Ref. Service Bulletin (if applicable):
G1000 family	GDU v15.00 and later	n/a
G2/3/5000 family	GDU v5.00 and later	n/a
4XXW/5XXW series	v5.10 and later	SB 1403
GTN 6xx/7xx	v5.13 and later	SB 1466

For units affected by this issue the following RNAV (GPS) approaches have been removed:

Airport ID	Approach ID	Area
D95	R36	USA
KDWU	R28	USA

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LPV approaches that display and function as LNAV approaches (software correctable)

The following issue affects **G1000, Embraer Prodigy™, Cirrus Perspective™, G950 and G900X** product families with GDU software prior to v10.00 and **4XXW/5XXW series** product families with software prior to v3.20:

LPV approaches at airports with a 3-character identifier (e.g., "1G3") will only display and function as LNAV approaches. Since software updates are available to address this issue, the list of affected airports is no longer specifically maintained. Please see the corresponding Garmin Service Advisory for additional information:

<https://support.garmin.com/en-US/aviation/faq/6gxhH9VzFK3FXZEW71fnMA>

Resolution Status

Garmin product family:	Resolved in software version:	Ref. Service Bulletin (if applicable):
G1000 family	GDU v10.00 and later	n/a
4XXW/5XXW series	v3.20 and later	SB 0848

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Items removed for containing points with non WGS-84 or NAD-83 datums

The following issue affects all Garmin aviation navigation databases:

Garmin is purposefully removing RNAV procedures which reference waypoints that do not have a WGS-84 or NAD-83 map datum associated with their position. Please see the corresponding GarminNavData Alert for additional information:

<https://www.garmin.com/en-US/aviationalerts/rnav-procedures-with-non-wgs-84-datums/>

The following approaches have been excluded due to this issue:

Airport ID	Approach ID	Region Name	Area
UTDK	R01	Kazakhstan	EEU

The following SID/STARs have been excluded due to this issue:

Airport ID	SID/STAR ID	Region Name	Area
FLMF	AXEB1A	Zambia	AFR
FLMF	AXEB1B	Zambia	AFR
FMMI	LIKI1E	Madagascar	AFR
FMMI	LIKI1W	Madagascar	AFR
UTDD	ABNA1N	Kazakhstan	EEU
UTDD	FORI1E	Kazakhstan	EEU
UTDD	NAVO1A	Kazakhstan	EEU
UTDD	NAVO1J	Kazakhstan	EEU
UTDD	OKTA1A	Kazakhstan	EEU
UTDD	OKTA1E	Kazakhstan	EEU
UTDD	OKTA1N	Kazakhstan	EEU
UTDK	UTSO1J	Kazakhstan	EEU
UTDK	VOBI1N	Kazakhstan	EEU
UTDK	YOVE1A	Kazakhstan	EEU
UTDK	YOVE1J	Kazakhstan	EEU
UTDL	KEGI1A	Kazakhstan	EEU
UTDL	KEGI1E	Kazakhstan	EEU
UTDL	KEGI1J	Kazakhstan	EEU
UTDL	KEGI1K	Kazakhstan	EEU
UTDL	KEGI1N	Kazakhstan	EEU
UTDT	ACRI1N	Kazakhstan	EEU
UTDT	AZIK1J	Kazakhstan	EEU
UTDT	OTSE1A	Kazakhstan	EEU
UZSK	ARBE1B	Uzbekistan	EEU
UZSK	ARBE1D	Uzbekistan	EEU
UZSK	ARBE1U	Uzbekistan	EEU
UZSK	ARBE1W	Uzbekistan	EEU
WIHH	CA1Y	Indonesia	SPA
WIHH	CA1Z	Indonesia	SPA
WIHH	IMAB1G	Indonesia	SPA
WIHH	IMAB1H	Indonesia	SPA
WIHH	PW1E	Indonesia	SPA
WIHH	PW1F	Indonesia	SPA
WIHH	PW1G	Indonesia	SPA
WIHH	PW1H	Indonesia	SPA
WIHH	REND1G	Indonesia	SPA
WIHH	REND1H	Indonesia	SPA
WIII	CA2B	Indonesia	SPA
WIII	CA2C	Indonesia	SPA

Airport ID	SID/STAR ID	Region Name	Area
WIII	PW2A	Indonesia	SPA
WIII	PW2B	Indonesia	SPA
WIII	PW2C	Indonesia	SPA
WIII	PW2D	Indonesia	SPA
WIII	PW2J	Indonesia	SPA
WIII	PW2K	Indonesia	SPA

The following airways have been excluded due to this issue:

Route ID	Country
L437	Africa
M315	Africa
M740	Africa
N305	Africa
P126	Africa
P32	Africa
T481	Africa
UL437	Africa
UM215	Africa
UM216	Africa
UM306	Africa
UM315	Africa
UM731	Africa
UN305	Africa
UQ579	Africa
UT325	Africa
UT481	Africa
UY198	Africa
UY288	Africa
M771	Eastern Europe
Z235	Eastern Europe
Z345	Eastern Europe
Z626	Eastern Europe
Z767	Eastern Europe
UP533	Latin America
M771	Pacific
UL216	South America
UL795	South America
UP533	South America

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SID Transitions

Due to software limitations a SID is limited to a maximum of 31 Transitions. Transitions past 31 will be removed from a SID. The following data items are excluded from the **CNX80/GNS480** database:

SID transitions

No data affected by this issue this cycle

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Approaches removed due to issue with Missed Approach offset from runway

An issue involving Missed Approach Point offset from the runway affects **G1000, Embraer Prodigy™, Cirrus Perspective™, G950 and G900X, G2/3/5000, GTN 6xx/7xx series product families and 4XXW/5XXW series product families**:

Resolution Status

Garmin product family:	Resolved in software version:	Ref. Service Bulletin (if applicable):
G1000 family	GDU v21.06 and later	n/a
G2/3/5000 family	GDU v21.06 and later	n/a
GTN 6xx/7xx	v6.50 and later	SB 1860B

For units affected by this issue the approaches in the table below have been removed:

Airport ID	Approach ID	Area
ENAX	R250	RNS
ENBX	R003	RNS
ENEV	R170	RNS
ENEV	R350	RNS
ENRO	R162	RNS
ENSR	R139	RNS
ENTU	R359	RNS
ENTX	R352	EUR
KEGE	R25-T	NJ1
PAJN	R26-P	CAN
XZFN	R107	RNS
XZHO	R355	RNS
XZRL	R215	RNS
XZSO	R181	RNS
XZTG	R012	RNS
XZVB	R277	RNS

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RNAV (GPS) approaches with LP minima removed due to inconsistent vertical guidance

The following issue affects **G1000, Embraer Prodigy™, Cirrus Perspective™, G950 and G900X, G2/3/5000, GTN 6xx/7xx** series product families, **4XXW/5XXW series** product families, GPS 175, GNX 375, GNC 355 and **CNX80/GNS480**.

The following RNAV (GPS) approaches have been removed due to inconsistent vertical guidance.

No data affected by this issue this cycle

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RNAV Airways

Due to software limitations, the following RNAV Airways are excluded from the **CNX80/GNS480** database:

Airway ID	Region Name
N495E	Canada and Alaska
N559B	Canada and Alaska
N566A	Canada and Alaska
N586A	Canada and Alaska
N589B	Canada and Alaska
N601B	Canada and Alaska
N610A	Canada and Alaska
N629B	Canada and Alaska
N634A	Canada and Alaska
N657B	Canada and Alaska
N658B	Canada and Alaska
N667A	Canada and Alaska
N681B	Canada and Alaska
N682B	Canada and Alaska
N686A	Canada and Alaska
N691A	Canada and Alaska
N704B	Canada and Alaska
N708B	Canada and Alaska
N715B	Canada and Alaska
N71B	Canada and Alaska
N724A	Canada and Alaska
N739B	Canada and Alaska
N744A	Canada and Alaska
N763B	Canada and Alaska
N764A	Canada and Alaska
N785A	Canada and Alaska
N798B	Canada and Alaska
N807A	Canada and Alaska
N827B	Canada and Alaska
N83B	Canada and Alaska
N847B	Canada and Alaska
N865A	Canada and Alaska
N883B	Canada and Alaska
N897B	Canada and Alaska
N90B	Canada and Alaska
N93B	Canada and Alaska
N94A	Canada and Alaska

Airway ID	Region Name
N97B	Canada and Alaska
N99B	Canada and Alaska
T248	Canada and Alaska
T250	Canada and Alaska
T645	Canada and Alaska
T685	Canada and Alaska
T719	Canada and Alaska
T769	Canada and Alaska
T825	Canada and Alaska
A103	Eastern Europe
A107	Eastern Europe
A228	Eastern Europe
A302	Eastern Europe
A308	Eastern Europe
A575	Eastern Europe
A817	Eastern Europe
A818	Eastern Europe
B100	Eastern Europe
B807	Eastern Europe
B911	Eastern Europe
B951	Eastern Europe
G249	Eastern Europe
G809	Eastern Europe
L154	Eastern Europe
L75	Eastern Europe
L84	Eastern Europe
M987	Eastern Europe
N992	Eastern Europe
P156	Eastern Europe
P26	Eastern Europe
P727	Eastern Europe
P851	Eastern Europe
P865	Eastern Europe
Q545	Eastern Europe
R104	Eastern Europe
R211	Eastern Europe
R241	Eastern Europe
R480	Eastern Europe
T535	Eastern Europe
W105	Eastern Europe
W119	Eastern Europe

Airway ID	Region Name
W239	Eastern Europe
W284	Eastern Europe
W297	Eastern Europe
Y524	Eastern Europe
Z924	Eastern Europe
A2	Europe
A25	Europe
A27	Europe
A29	Europe
A34	Europe
A53	Europe
B13	Europe
B19	Europe
B3	Europe
B31	Europe
G17	Europe
G21	Europe
G36	Europe
G39	Europe
G40	Europe
G53	Europe
H22	Europe
H34	Europe
H38	Europe
H40	Europe
J20	Europe
J301	Europe
L602	Europe
L612	Europe
L613	Europe
L615	Europe
L620	Europe
L856	Europe
L980	Europe
M163	Europe
M189	Europe
M604	Europe
M622	Europe
M736	Europe
M858	Europe
M91	Europe

Airway ID	Region Name
N20	Europe
N491	Europe
N552	Europe
N562	Europe
N57	Europe
N850	Europe
N864	Europe
N871	Europe
N872	Europe
N873	Europe
P154	Europe
P55	Europe
P62	Europe
R10	Europe
R11	Europe
R17	Europe
R31	Europe
R50	Europe
T105	Europe
T20	Europe
T22	Europe
T256	Europe
T37	Europe
T544	Europe
T603	Europe
T606	Europe
T718	Europe
T734	Europe
UL612	Europe
UL976	Europe
UM189	Europe
UN482	Europe
UN57	Europe
UN741	Europe
UN859	Europe
UN861	Europe
UN864	Europe
UT158	Europe
UT188	Europe
UT256	Europe
UT512	Europe

Airway ID	Region Name
UY24	Europe
UY36	Europe
V12	Europe
V13	Europe
V18	Europe
V21	Europe
V30	Europe
Y100	Europe
Y112	Europe
Y12	Europe
Y51	Europe
Y803	Europe
Z16	Europe
Z318	Europe
Z42	Europe
Z58	Europe
Z601	Europe
Z652	Europe
Z669	Europe
Z69	Europe
Z739	Europe
Z90	Europe
J203	South Pacific
Z33	South Pacific
Q176	United States Lower 48
Q67	United States Lower 48
T213	United States Lower 48
T217	United States Lower 48
T285	United States Lower 48
T286	United States Lower 48
T301	United States Lower 48
T305	United States Lower 48
T354	United States Lower 48
T383	United States Lower 48
T403	United States Lower 48

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SIDs with no associated runways

Due to software limitations, the following SIDs with no associated runways are excluded from the **CNX80/GNS480** database:

SID ID	Airport ID	City	State	Country
LYTMY1	03WI	GRAFTON	WISCONSIN	UNITED STATES
HAMTA2	08II	LAGRANGE	INDIANA	UNITED STATES
EZETY2	09VG	FISHERSVILLE	VIRGINIA	UNITED STATES
KNOWN1	0IA6	CRESCO	IOWA	UNITED STATES
WIBIV1	0WI3	ELKHORN	WISCONSIN	UNITED STATES
ROTND1	23WI	BLACK RIVER FALLS	WISCONSIN	UNITED STATES
SSLAM1	23WS	MILWAUKEE	WISCONSIN	UNITED STATES
RECOK1	28IL	CRYSTAL LAKE	ILLINOIS	UNITED STATES
ERIXN1	2KY7	CAMPBELLSVILLE	KENTUCKY	UNITED STATES
FILUS1	2WI3	MILWAUKEE	WISCONSIN	UNITED STATES
CEBOS2	30MN	ALBERT LEA	MINNESOTA	UNITED STATES
HUSKO2	30TN	NASHVILLE	TENNESSEE	UNITED STATES
ICAKI1	30TN	NASHVILLE	TENNESSEE	UNITED STATES
VVETE1	33PA	WEXFORD	PENNSYLVANIA	UNITED STATES
COMOT2	39CN	UKIAH	CALIFORNIA	UNITED STATES
STOMK1	3IA6	OTTUMWA	IOWA	UNITED STATES
CUKCA4	3MN6	MANKATO	MINNESOTA	UNITED STATES
PEKUN1	3OH2	MOUNT ORAB	OHIO	UNITED STATES
LEEAG1	45NR	WILMINGTON	NORTH CAROLINA	UNITED STATES
IHAHO1	45TX	PEARLAND	TEXAS	UNITED STATES
GOOCI1	4CA5	ORANGE	CALIFORNIA	UNITED STATES
PREES1	4WI6	PRAIRIE DU CHIEN	WISCONSIN	UNITED STATES
MMARK1	4WI7	KOHLER	WISCONSIN	UNITED STATES
JAADA1	52XS	WEBSTER	TEXAS	UNITED STATES
CIPUG1	55KY	OWENSBORO	KENTUCKY	UNITED STATES
JASIN1	55TA	CONROE	TEXAS	UNITED STATES
OCURE2	5IN7	MARION	INDIANA	UNITED STATES
BILFO1	5PA8	CONSHOHOCKEN	PENNSYLVANIA	UNITED STATES
OXIRE2	60II	TERRE HAUTE	INDIANA	UNITED STATES
FEBLO1	6TS9	PLANO	TEXAS	UNITED STATES
SIMZZ1	79WI	WHITEHALL	WISCONSIN	UNITED STATES
GUTTO1	7MD6	OCEAN CITY	MARYLAND	UNITED STATES
HIBAL2	81II	INDIANAPOLIS	INDIANA	UNITED STATES
JOLID2	82MN	LAKE CITY	MINNESOTA	UNITED STATES
HIBIB2	8IN1	LAFAYETTE	INDIANA	UNITED STATES
SUBVE2	8TX9	GAINESVILLE	TEXAS	UNITED STATES
ACOSU1	95MN	FAIRMONT	MINNESOTA	UNITED STATES
JOGAG1	95NC	JACKSONVILLE	NORTH CAROLINA	UNITED STATES
JODMA3	97MN	RED WING	MINNESOTA	UNITED STATES
BIZXU2	99MN	ROCHESTER	MINNESOTA	UNITED STATES

SID ID	Airport ID	City	State	Country
ZOSDI1	99MN	ROCHESTER	MINNESOTA	UNITED STATES
JNOON1	9KT0	LOUISVILLE	KENTUCKY	UNITED STATES
EKYOR2	9MI9	KALAMAZOO	MICHIGAN	UNITED STATES
DODIE1	CA37	SANTA CRUZ	CALIFORNIA	UNITED STATES
JOLMA2	CN01	FORT BRAGG	CALIFORNIA	UNITED STATES
MASHB1	IA04	DECORAH	IOWA	UNITED STATES
YUSUL1	IA15	WEST UNION	IOWA	UNITED STATES
IDUKE1	IA64	DES MOINES	IOWA	UNITED STATES
OSIRE1	IA80	WAUKON	IOWA	UNITED STATES
ELOKE2	II56	KOKOMO	INDIANA	UNITED STATES
HIBAT1	II56	KOKOMO	INDIANA	UNITED STATES
HEPDO1	IN35	GREENSBURG	INDIANA	UNITED STATES
HIBUK1	IN84	MARTINSVILLE	INDIANA	UNITED STATES
KRSSA1	IN89	WABASH	INDIANA	UNITED STATES
TIRCU2	IN96	LOGANSPOUT	INDIANA	UNITED STATES
MIDWA2	IN97	FORT WAYNE	INDIANA	UNITED STATES
HUBEM2	LA93	NEW ORLEANS	LOUISIANA	UNITED STATES
WADMU2	LA93	NEW ORLEANS	LOUISIANA	UNITED STATES
DO951A	LODO	OBERWART	N/A	AUSTRIA
YOYCO2	MI97	GRAND RAPIDS	MICHIGAN	UNITED STATES
CEBOT2	MN34	AUSTIN	MINNESOTA	UNITED STATES
HUSIN1	NC78	WHITEVILLE	NORTH CAROLINA	UNITED STATES
SNDOF1	NC91	GREENVILLE	NORTH CAROLINA	UNITED STATES
IVRO1S	NZAM	ASHBURTON	N/A	NEW ZEALAND
VASN1P	NZCV	CHEVIOT	N/A	NEW ZEALAND
OBLI3S	NZDH	DUNEDIN	N/A	NEW ZEALAND
RIPG6S	NZDH	DUNEDIN	N/A	NEW ZEALAND
EKEN1P	NZDU	DUNSTAN	N/A	NEW ZEALAND
LEKA2R	NZDU	DUNSTAN	N/A	NEW ZEALAND
KARN1P	NZFA	TE HAPUA	N/A	NEW ZEALAND
BUDP1R	NZGD	GERALDINE	N/A	NEW ZEALAND
ADMOG1	NZGO	GORE	N/A	NEW ZEALAND
UNROX2	NZHB	HELENA BAY	N/A	NEW ZEALAND
IDUX1Z	NZHC	WANAKA LAKES	N/A	NEW ZEALAND
TATE1W	NZHC	WANAKA LAKES	N/A	NEW ZEALAND
NITEB4	NZHH	HAMILTON	N/A	NEW ZEALAND
PORA1P	NZHR	HANMER SPRINGS	N/A	NEW ZEALAND
LEKUL2	NZJC	CHRISTCHURCH	N/A	NEW ZEALAND
NOVTO2	NZJC	CHRISTCHURCH	N/A	NEW ZEALAND
BROA1P	NZJK	KAITAIA	N/A	NEW ZEALAND

SID ID	Airport ID	City	State	Country
BROA1Q	NZJK	KAITAIA	N/A	NEW ZEALAND
UPNO3P	NZJL	AUCKLAND	N/A	NEW ZEALAND
SOSLO5	NZJS	SOUTHLAND	N/A	NEW ZEALAND
POURO3	NZJT	TAUMARUNUI	N/A	NEW ZEALAND
ZEDE1P	NZJW	RAWENE	N/A	NEW ZEALAND
GODOK1	NZJX	TOKOROA	N/A	NEW ZEALAND
DUBIP2	NZKC	KAIKOURA	N/A	NEW ZEALAND
GUVEN2	NZKC	KAIKOURA	N/A	NEW ZEALAND
ANOP1T	NZLM	LUMSDEN	N/A	NEW ZEALAND
GUVTU1	NZLM	LUMSDEN	N/A	NEW ZEALAND
IVRO1P	NZMV	METHVEN	N/A	NEW ZEALAND
ERVIT1	NZON	OBAN	N/A	NEW ZEALAND
OMBAM2	NZOR	OAMARU	N/A	NEW ZEALAND
XELA1P	NZOW	ONETANGI	N/A	NEW ZEALAND
LEGI1P	NZRN	RANFURLY	N/A	NEW ZEALAND
URGAB1	NZTC	TAPANUI	N/A	NEW ZEALAND
HN3H	NZTQ	TE KUITI	N/A	NEW ZEALAND
BUDP1P	NZTW	TWIZEL	N/A	NEW ZEALAND
EMSI1P	NZTW	TWIZEL	N/A	NEW ZEALAND
ATNE1P	NZTX	TE ANAU	N/A	NEW ZEALAND
IDIXI1	NZTZ	TIMARU	N/A	NEW ZEALAND
TUSVI1	NZTZ	TIMARU	N/A	NEW ZEALAND
ATKU2P	NZWG	WHANGAMATA	N/A	NEW ZEALAND
MASD2P	NZWG	WHANGAMATA	N/A	NEW ZEALAND
AVBES2	NZWJ	WELLSFORD	N/A	NEW ZEALAND
VEVO1P	NZWZ	WARKWORTH	N/A	NEW ZEALAND
RAGOY1	P72	PHILADELPHIA	PENNSYLVANIA	UNITED STATES
ATLER1	RJFH	NATA	N/A	JAPAN
ZUPIL2	TE11	FRESNO	TEXAS	UNITED STATES
DEEBE1	TE55	LIBERTY	TEXAS	UNITED STATES
UBANN1	TS06	DALLAS	TEXAS	UNITED STATES
YAZOO1	TS23	AUSTIN	TEXAS	UNITED STATES
JAXEN1	TT59	KINGWOOD	TEXAS	UNITED STATES
FABER1	TX33	HOUSTON	TEXAS	UNITED STATES
JANKS1	TX76	HOUSTON	TEXAS	UNITED STATES
EDEDE2	VA77	FARMVILLE	VIRGINIA	UNITED STATES
DUVTE2	VA97	DILLWYN	VIRGINIA	UNITED STATES
KEMTE1	VHSS	SHEUNG WAN	N/A	HONG KONG
PRYZE1	WI48	FOND DU LAC	WISCONSIN	UNITED STATES
JIGIL1	WI75	WEST BEND	WISCONSIN	UNITED STATES

SID ID	Airport ID	City	State	Country
GOTMY2	WS38	EAU CLAIRE	WISCONSIN	UNITED STATES
PDITY2	WS38	EAU CLAIRE	WISCONSIN	UNITED STATES
DMAWR1	WS53	RACINE	WISCONSIN	UNITED STATES
WARER2	XA61	DALLAS	TEXAS	UNITED STATES
CANGA2	XA62	DALLAS	TEXAS	UNITED STATES

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LPV, LP, LP+V approaches downgraded or removed

Due to database processing limitations, the following LPV, LP +V, or LP approaches have been removed or downgraded to LNAV/VNAV, LNAV +V, or LNAV in the **CNX80/GNS480** database:

Airport ID	Approach ID
KLXV	R16

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SID/STARs excluded due to more than 127 at an airport

Due to software limitations with handling more than 127 SIDs at an airport, the following SIDs are excluded from the **CNX80/GNS480** database:

Airport ID	STAR ID	Region Name
VIDP	APUD7A	INDIA
VIDP	APUD7B	INDIA
VIDP	APUD7C	INDIA
VIDP	APUD7D	INDIA
VIDP	APUD7E	INDIA
VIDP	APUD7F	INDIA
VIDP	APUD7G	INDIA
VIDP	APUD7H	INDIA
VIDP	HW7A	INDIA
VIDP	HW7B	INDIA
VIDP	HW7C	INDIA
VIDP	HW7D	INDIA
VIDP	HW7L	INDIA
VIDP	HW7M	INDIA
VIDP	HW7N	INDIA
VIDP	HW7P	INDIA
VIDP	JAL7L	INDIA
VIDP	JAL7M	INDIA

Airport ID	STAR ID	Region Name
VIDP	JAL7N	INDIA
VIDP	JAL7P	INDIA
VIDP	PUMO7A	INDIA
VIDP	PUMO7B	INDIA
VIDP	PUMO7C	INDIA
VIDP	PUMO7D	INDIA
VIDP	PUMO7L	INDIA
VIDP	PUMO7M	INDIA
VIDP	PUMO7N	INDIA
VIDP	PUMO7P	INDIA
VIDP	UKAS7H	INDIA

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Procedures with large turns following altitude terminated legs

Some Garmin navigation systems may provide lateral guidance that conflicts with the published procedure. Please see the corresponding Garmin Data Alert 1709 for additional information: <https://www.garmin.com/en-US/aviationalerts/lateral-guidance-on-turns-following-altitude-dependent-procedure-segments/>.

This issue affects the following units (all software versions):

- Garmin Integrated Flight Decks (G900X, G950, G1000(H), G1000 NXi, Cirrus Perspective™, Embraer Prodigy™, G2000, G3000, G5000, Embraer Prodigy Touch®)
- GTN 6XX/7XX Series Product Families
- 4XXW/5XXW Series Product Families
- GPS 175/GNX 375/GNC 355

For units affected by this issue, the following procedures have been removed:

Airport ID	Procedure ID	Procedure Type
KCPR	ALCOS6	SID
KHIO	SCAPO7	SID
KILE	LAMPS8	SID
LFPM	ARSI5C	SID
LFPM	POLY5C	SID
LZIB	TOVK3A	SID
RPMR	MELB1A	SID

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Procedures with fly-over turns greater than 270°

Some Garmin navigation systems may provide lateral guidance that conflicts with the published procedure. Please see the corresponding Garmin Data Alert 1710 for

additional information: <https://www.garmin.com/en-US/aviationalerts/lateral-guidance-on-turns-equal-to-or-greater-than-270/>.

This issue affects the following units:

- 4XXW/5XXW Series Product Families (all software versions)
- GTN 6XX/7XX Series Product Families (software versions 6.19 and earlier)
- G900X, G950, G1000(H), Cirrus Perspective™, and Embraer Prodigy™ systems (GDU software versions 15.09 and earlier)
- G2000, G3000, G5000, and Embraer Prodigy Touch® systems (GDU software versions 6.49 and earlier)

For units affected by this issue, the following procedures have been removed:

Airport ID	Procedure ID	Procedure Type
DTNH	ABGO1D	SID
DTTX	KADR1A	SID
LFTH	BIRG1N	SID
LGKA	YNN1G	SID
LGKR	NIKR2V	SID
LGMK	LETS1E	SID
LGMK	LETS1G	SID
LGZA	ARA1R	SID
LICB	ENEP5A	SID
LICB	ENEP5B	SID
NSFA	AROX1P	SID
RJNA	HOUBA4	SID
UHSS	ODEK2B	STAR

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Approaches with turn between FAF and MAP

The following issue affects **G1000, Embraer Prodigy, Cirrus Perspective, G950 and G900X, G2/3/5000, GTN 6xx/7xx** series product families, **GPS 175, GNX 375, GNC 355** and **4XXW/5XXW** series product families.

Resolution Status

Garmin product family:	Resolved in software version:
G1000 family	GDU v32.50 and later
G2/3/5000	v7.5.0.0 and later

Some approaches with non-RF leg turns between FAF and MAP or between FAF and runway have been removed from the database.

For units affected by this issue, the following procedures have been removed:

Airport ID	Approach	Area
KDCA	R19-Y	USA
KDCA	R33	USA
KEWR	R29-T	USA
KEWR	R29-W	USA
KJFK	R13LZ	USA
KJFK	R13RZ	USA
KLGA	R13-Y	USA
KLGA	R31-X	USA
SKBO	R32LD	SAM
SKBO	R32RD	SAM

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Departures with waypoints prior to the far runway end

The following issue affects the following units (all software versions):

- Garmin Integrated Flight Decks (G900X, G950, G1000(H), G1000 NXi, Cirrus Perspective™, Embraer Prodigy™, G2000, G3000, G5000, Embraer Prodigy Touch®)
- GTN 6XX/7XX Series Product Families
- 4XXW/5XXW Series Product Families
- GPS 175/GNX 375/GNC 355

Some departure procedures with waypoints which occur prior to the far runway end have been removed from the database.

For units affected by this issue, the following procedures have been removed:

Airport ID	Departure ID
ETAD	GERK2X
ETAD	NVO3X
ETAD	PIRE2X
ETAD	TOLE2X

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Runways/Helipads excluded due to more than 10 at an airport

Due to software limitations with handling more than 10 runways or helipads at an airport, some runways or helipads are excluded from the database.

This issue affects the following units:

- 4XXW/5XXW Series (all software versions)
- GTN 6XX/7XX Series Product Families (software versions 6.19 and earlier)
- G900X, G950, G1000(H), Cirrus Perspective™, and Embraer Prodigy™ systems (GDU software versions 15.09 and earlier)
- G2000, G3000, G5000, and Embraer Prodigy Touch® systems (GDU software versions 6.49 and earlier)
- G600/G500/G500H (software versions 7.09 and earlier)

For units affected by this issue, the following runways/helipads have been removed:

Airport ID	Rwy/Pad ID
KNSX	H11
KNSX	H12
KNSX	H13
KNSX	H14
KNSX	H15
KNSX	H16
KNSX	H17
KNSX	H18
KNSX	H19
KNSX	H20
KNSX	H21
KNSX	H22
KNSX	H23
KNSX	H24
KNSX	H25
KNSX	H26
KNSX	H27

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Runways/Helipads excluded due to more than 20 at an airport

Due to software limitations with handling more than 20 runways or helipads at an airport, some runways or helipads are excluded from the database.

This issue affects the following units:

- GTN 6XX/7XX Series Product Families (software versions 6.20 and later)
- GTN 6XX/7XX Xi Series Product Families (all software versions)
- G900X, G950, G1000(H), Cirrus Perspective™, and Embraer Prodigy™ systems (GDU software versions 15.10 and later)
- G950 NXi and G1000 NXi (all software versions)
- G2000, G3000, G5000, and Embraer Prodigy Touch® systems (GDU software versions 6.50 and later)
- G600/G500/G500H (software versions 7.10 and later)
- GPS 175/GNX 375/GNC 355(A) (all software versions)
- GI 275 (all software versions)
- G600 TXi/G500H TXi/G500 TXi/G700 TXi (all software versions)

For units affected by this issue, the following runways/helipads have been removed:

Airport ID	Rwy/Pad ID
KNSX	H21
KNSX	H22
KNSX	H23
KNSX	H24
KNSX	H25
KNSX	H26
KNSX	H27

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Airways excluded due to fixed-radius-turns

This issue affects the following units:

- 4XXW/5XXW Series Product Families(all software versions)
- GTN 6XX/7XX Series Product Families(software versions 6.19 and earlier)
- G900X, G950, G1000(H), Cirrus Perspective™, and Embraer Prodigy™ systems (GDU software versions 15.09 and earlier)
- G2000, G3000, G5000, and Embraer Prodigy Touch® systems (GDU software versions 6.49 and earlier)

For units affected by this issue, the following airways have been removed:

No data affected by this issue this cycle

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Data items removed for quality review

The following issue affects all Garmin products.

Approach excluded for quality review:

Airport ID	Approach
KHDN	R28-M

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Approaches with WAAS vertical functionality disabled

The following issue affects **G1000, Embraer Prodigy™, Cirrus Perspective™, G950 and G900X, G2/3/5000, GTN 6xx/7xx** series product families, **4XXW/5XXW series** product families, GPS 175, GNX 375, GNC 355 and **CNX80/GNS480**.

Airport ID	Approach ID
ETSH	R09
ETSH	R27

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GNS 400/500 items

The following data items are excluded from the **GNS 400/500** (non-WAAS) database:

Approaches excluded due to turns between FAF and MAP:

Airport ID	Approach	Region Name
KEWR	R29-T	United States
KEWR	R29-W	United States
KJFK	R13LZ	United States
KJFK	R13RZ	United States
KLGA	R13-Y	United States
KLGA	R31-X	United States
KPBI	R28RX	United States
SKRG	R19-A	Colombia

STARs excluded due to exceeding allowable maximum of 29 legs:

Airport ID	STAR ID	Region Name
LTAI	ALNY1M	Turkiye
LTAI	ALNY1U	Turkiye
LTAI	TEWH1M	Turkiye
LTAI	TEWH1U	Turkiye
LTAI	TOMB1N	Turkiye
LTAI	TOMB1V	Turkiye
LTAI	VEME1M	Turkiye
LTAI	VEME1U	Turkiye

Procedures excluded for other reasons:

No data affected by this issue this cycle

The additional following data items are excluded from the **GNS 400/500** (non-WAAS) database:

ILSs (Localizers):

Airport ID	ILS ID	Region Name
LOWI	OEJ	Austria

VORs:

VOR ID	Region Name
MFNN	Taiwan

NDBs:

NDB ID	Region Name
PS10	Saudi Arabia

Approaches:

Airport ID	Approach ID	Region Name
LGAD	AML1W	Greece
LGAD	AML1Z	Greece
LGAD	IXON1W	Greece
LGAD	TRL1Z	Greece

Note: RNAV Approaches with waypoints containing non-WGS 84 datums are excluded - See list above.

SIDs:

Airport ID	SID ID	Region Name
LEBL	NATP1K	Spain
LEBL	NATP1P	Spain
LEBL	NATP1S	Spain
LEBL	NATP1T	Spain
LEBL	NATP2A	Spain
LEBL	NATP2B	Spain
LEBL	NATP2D	Spain
LEBL	NATP2F	Spain
LEBL	NATP2J	Spain
LEBL	NATP2R	Spain
LEBL	NATP2Z	Spain
LEBL	NATP3Q	Spain
LEBL	OLOX1A	Spain
LEBL	OLOX1B	Spain
LEBL	OLOX1C	Spain
LEBL	OLOX1D	Spain
LEBL	OLOX1J	Spain

Airport ID	SID ID	Region Name
LEBL	OLOX1K	Spain
LEBL	OLOX1P	Spain
LEBL	OLOX1R	Spain
LEBL	OLOX1S	Spain
LEBL	OLOX1T	Spain
LEBL	OLOX1Z	Spain
LEBL	OLOX2F	Spain
LEBL	OLOX2Q	Spain
LEBL	REBU1J	Spain
LEBL	REBU1P	Spain
LEBL	REBU1R	Spain
LEBL	REBU1S	Spain
LEBL	REBU1T	Spain
LEBL	REBU2Q	Spain
LEBL	SENI1C	Spain
LEBL	SENI2J	Spain
LEBL	SENI2S	Spain
LEBL	SENI2T	Spain
LEBL	SENI3K	Spain
LEBL	SENI4P	Spain
LEBL	SENI5F	Spain
LEBL	SENI5R	Spain
LEBL	SENI6B	Spain
LEBL	SENI6Q	Spain
LEBL	SENI9D	Spain
LEBL	VIBO1J	Spain
LEBL	VIBO1P	Spain
LEBL	VIBO1R	Spain
LEBL	VIBO1S	Spain
LEBL	VIBO1T	Spain
LEBL	VIBO2Q	Spain
LFPG	OLZO6L	France
LFPG	OLZO6Z	France
LFPG	OPAL6A	France
LFPG	OPAL6B	France
LFPG	OPAL6D	France
LFPG	OPAL6E	France
LFPG	OPAL6G	France
LFPG	OPAL6H	France
LFPG	OPAL6K	France
LFPG	OPAL6L	France

Airport ID	SID ID	Region Name
LFPG	PILU6A	France
LFPG	PILU6B	France
LFPG	PILU6D	France
LFPG	PILU6E	France
LFPG	PILU6G	France
LFPG	PILU6H	France
LFPG	PILU6K	France
LFPG	PILU6L	France
LFPG	PILU6Z	France
LFPG	PO6B	France
LFPG	PO6E	France
LFPG	PO6H	France
LFPG	PO6L	France
LFPG	RANU6A	France
LFPG	RANU6B	France
LFPG	RANU6D	France
LFPG	RANU6E	France
LFPG	RANU6G	France
LFPG	RANU6H	France
LFPG	RANU6K	France
LFPG	RANU6L	France
LFPO	OKAS2W	France
LFPO	OKAS2X	France
LFPO	OKAS2Y	France
LFPO	OLZO2E	France
LFPO	OLZO2F	France
LFPO	OLZO2G	France
LFPO	OLZO2H	France
LFPO	OLZO2Q	France
LFPO	OLZO2R	France
LFPO	OLZO2S	France
LFPO	OLZO2W	France
LFPO	OLZO2X	France
LFPO	OLZO2Y	France
LFPO	OPAL2E	France
LFPO	OPAL2F	France
LFPO	OPAL2G	France
LFPO	OPAL2H	France
LFPO	OPAL2Q	France
LFPO	OPAL2R	France
LFPO	OPAL2S	France

Airport ID	SID ID	Region Name
LFPO	OPAL2W	France
LFPO	OPAL2X	France
LFPO	OPAL2Y	France
LFPO	PG2E	France
LFPO	PG2F	France
LFPO	PG2G	France
LFPO	PG2H	France
LFPO	PG2Q	France
LFPO	PG2R	France
LFPO	PG2S	France
LFPO	PG2W	France
LFPO	PG2X	France
LFPO	PG2Y	France
LFPO	PILU2E	France
LFPO	PILU2F	France
LFPO	PILU2G	France
LFPO	PILU2H	France
LFPO	PILU2Q	France
LFPO	PILU2R	France
LFPO	PILU2S	France
LFPO	PILU2W	France
LFPO	PILU2X	France
LFPO	PILU2Y	France
LFPO	RANU2E	France
LFPO	RANU2F	France
LFPO	RANU2G	France
LFPO	RANU2H	France
LFPO	RANU2Q	France
LFPO	RANU2R	France
LFPO	RANU2S	France
LFPO	RANU2W	France
LFPO	RANU2X	France
LFPO	RANU2Y	France
VTBS	PAST1F	Thailand
VTBS	PAST1G	Thailand
VTBS	PAST1H	Thailand
VTBS	PAST1J	Thailand
VTBS	PAST1K	Thailand
VTBS	REGO1E	Thailand
VTBS	REGO1F	Thailand
VTBS	REGO1G	Thailand

Airport ID	SID ID	Region Name
VTBS	REGO1H	Thailand
VTBS	REGO1J	Thailand
VTBS	REGO1K	Thailand
VTBS	REGO1P	Thailand
VTBS	REGO1Q	Thailand
VTBS	REGO1R	Thailand
VTBS	REGO1S	Thailand
VTBS	REGO1T	Thailand
VTBS	REGO1U	Thailand
VTBS	RYN1E	Thailand
VTBS	RYN1F	Thailand
VTBS	RYN1G	Thailand
VTBS	RYN1H	Thailand
VTBS	RYN1J	Thailand
VTBS	RYN1K	Thailand
VTBS	RYN1P	Thailand
VTBS	RYN1Q	Thailand
VTBS	RYN1R	Thailand
VTBS	RYN1S	Thailand
VTBS	RYN1T	Thailand
VTBS	RYN1U	Thailand
VTBS	SELK1E	Thailand
VTBS	SELK1F	Thailand
VTBS	SELK1G	Thailand
VTBS	SELK1H	Thailand
VTBS	SELK1J	Thailand
VTBS	SELK1K	Thailand
VTBS	SELK1P	Thailand
VTBS	SELK1Q	Thailand
VTBS	SELK1R	Thailand
VTBS	SELK1S	Thailand
VTBS	SELK1T	Thailand
VTBS	SELK1U	Thailand
VTBS	SEMB1P	Thailand
VTBS	SEMB1Q	Thailand
VTBS	SEMB1R	Thailand
VTBS	SEMB1S	Thailand
VTBS	SEMB1T	Thailand
VTBS	SEMB1U	Thailand
VTBS	SEMB2E	Thailand
VTBS	SEMB2F	Thailand

Airport ID	SID ID	Region Name
VTBS	SEMB2G	Thailand
VTBS	SEMB2H	Thailand
VTBS	SEMB2J	Thailand
VTBS	SEMB2K	Thailand
VTBS	TARE1E	Thailand
VTBS	TARE1F	Thailand
VTBS	TARE1G	Thailand
VTBS	TARE1H	Thailand
VTBS	TARE1J	Thailand
VTBS	TARE1K	Thailand
VTBS	UGUV1E	Thailand
VTBS	UGUV1F	Thailand
VTBS	UGUV1G	Thailand
VTBS	UGUV1H	Thailand
VTBS	UGUV1J	Thailand
VTBS	UGUV1K	Thailand
VTBS	UKER1E	Thailand
VTBS	UKER1F	Thailand
VTBS	UKER1G	Thailand
VTBS	UKER1H	Thailand
VTBS	UKER1J	Thailand
VTBS	UKER1K	Thailand
VTBS	VANK1E	Thailand
VTBS	VANK1F	Thailand
VTBS	VANK1G	Thailand
VTBS	VANK1H	Thailand
VTBS	VANK1J	Thailand
VTBS	VANK1K	Thailand

Note: RNAV SIDs with waypoints containing non-WGS 84 datums are excluded - See list above.

STARs:

Airport ID	STAR ID	Region Name
VIDP	SP7D	India
VIDP	SP7E	India
VIDP	SP7F	India
VIDP	SP7G	India
VIDP	SP7H	India
VIDP	SP7L	India
VIDP	SP7M	India

Airport ID	STAR ID	Region Name
VIDP	SP7N	India
VIDP	SP7P	India
VIDP	UKAS7A	India
VIDP	UKAS7B	India
VIDP	UKAS7C	India
VIDP	UKAS7D	India
VIDP	UKAS7E	India
VIDP	UKAS7F	India
VIDP	UKAS7G	India
VIDP	UKAS7H	India
VIDP	UPTE7A	India
VIDP	UPTE7B	India
VIDP	UPTE7C	India
VIDP	UPTE7D	India
VIDP	UPTE7E	India
VIDP	UPTE7F	India
VIDP	UPTE7G	India
VIDP	UPTE7H	India
VIDP	UPTE7L	India
VIDP	UPTE7M	India
VIDP	UPTE7N	India
VIDP	UPTE7P	India

Note:RNAV STARs with waypoints containing non-WGS 84 datums are excluded - See list above.

SUAs:

SUA	Region Name
(G)-12	Netherlands
(G)-12A	Netherlands
(G)-12AZ	Netherlands
(G)-12Z	Netherlands
(K)-8	Croatia
(K)-9	Croatia
(P)-1	Croatia
ADIL BESIC (D)-17	Bosnia-Herzegovina
ADULA/GREINA/MEDELS/VALS	Switzerland
AIR REFUELLING AREA LENA	Netherlands
ALFA CODE CAZIN (D)-48	Bosnia-Herzegovina
AXALP (R)-6	Switzerland
BALEN	Belgium

SUA	Region Name
BARBARA (D)-15	Bosnia-Herzegovina
BARVAUX / DURBUY	Belgium
BEAURAING	Belgium
BEAUVECHAIN CLIMB-OUT SECTOR 1	Belgium
BEAUVECHAIN CLIMB-OUT SECTOR 2	Belgium
BERTRIX	Belgium
BEVERLO UAS 20 (R)-79C	Belgium
BEVERLO UAS 30 (R)-79D	Belgium
BEVERLO UAS 40 (R)-79E	Belgium
BEVERLO UAS 90 (R)-79A	Belgium
BEVERLO UAS 91 (R)-79B	Belgium
BIERE (R)-5	Switzerland
BINNTAL	Switzerland
CANADA ADIZ	Canada
CECAVA PRNJAVOR (D)-49	Bosnia-Herzegovina
CERFONTAINE AREA ONE	Belgium
CERFONTAINE AREA THREE	Belgium
CEROUX-MOUSTY	Belgium
CHOOZ (P)-38	France
CINEY	Belgium
CORRIDOR E (D)-2	Slovenia
DAMMASTOCK (R)-8	Switzerland
DAMMASTOCK (R)-8A	Switzerland
DE PEEL A (K)-1A	Netherlands
DE PEEL B (K)-1B	Netherlands
DEELEN HOOG (G)-80	Netherlands
DIEST	Belgium
DINANT	Belgium
ETTENHOVENSE POLDER	Belgium
FEITSCH	Luxembourg
GINKEL (G)-83	Netherlands
GLAMOC (D)-19	Bosnia-Herzegovina
GLIDER AREA AMEIDE	Netherlands
GLIDER AREA AMERICA	Netherlands
GLIDER AREA BIHAC	Bosnia-Herzegovina
GLIDER AREA BRASSCHAAT	Belgium
GLIDER AREA DE PEEL	Netherlands
GLIDER AREA DITTINGEN EAST	Switzerland
GLIDER AREA DITTINGEN WEST	Switzerland
GLIDER AREA DOORN	Netherlands
GLIDER AREA ELL	Netherlands

SUA	Region Name
GLIDER AREA GENDT	Netherlands
GLIDER AREA GENK/ZWARTBERG	Belgium
GLIDER AREA GRIENDTSVEEN	Netherlands
GLIDER AREA GROESBEEK	Netherlands
GLIDER AREA HASSELT/KIEWIT	Belgium
GLIDER AREA HOEK VAN HOLLAND	Netherlands
GLIDER AREA INOVEC 1	Slovakia
GLIDER AREA INOVEC 2	Slovakia
GLIDER AREA JAPETIC	Croatia
GLIDER AREA JAVORINA	Slovakia
GLIDER AREA KRONENBERG	Netherlands
GLIDER AREA LA ROCHE	Belgium
GLIDER AREA LE BRASSUS (R)-81T	Switzerland
GLIDER AREA LIC	Croatia
GLIDER AREA MALDEN	Netherlands
GLIDER AREA MALMEDY	Belgium
GLIDER AREA MEDVEDNICA	Croatia
GLIDER AREA MEERKERK	Netherlands
GLIDER AREA NAMUR SUARLEE	Belgium
GLIDER AREA NISTELRODE	Netherlands
GLIDER AREA NOORDELOOS	Netherlands
GLIDER AREA NUMANSDORP	Netherlands
GLIDER AREA PLESIVICA	Croatia
GLIDER AREA PRIJEDOR	Bosnia-Herzegovina
GLIDER AREA SAINT HUBERT	Belgium
GLIDER AREA SAINT-HUBERT	Belgium
GLIDER AREA SCHALKWIJK	Netherlands
GLIDER AREA SCHINVELD	Netherlands
GLIDER AREA SCHINVELD SECTOR B	Netherlands
GLIDER AREA STERKSEL	Netherlands
GLIDER AREA TERHEIJDEN	Netherlands
GLIDER AREA TERLET B	Netherlands
GLIDER AREA TERLET C SOUTH	Netherlands
GLIDER AREA UCKA	Croatia
GLIDER AREA VALLORBE (R)-80T	Switzerland
GLIDER AREA VERVIERS/THEUX	Belgium
GLIDER AREA VLIJMEN	Netherlands
GLIDER AREA VOLKEL	Netherlands
GLIDER AREA WEELDE	Belgium
GLIDER AREA WOENSDRECHT	Netherlands
GOETSENHOVEN	Belgium

SUA	Region Name
GOETSENHOVEN GLIDER AREA	Belgium
GRABEZ (D)-42	Bosnia-Herzegovina
GRENCHEN (R)-83	Switzerland
HAN-SUR-LESSE	Belgium
HELI AREA ARDENNES 01	Belgium
HELI AREA ARDENNES 02	Belgium
HELI AREA ARDENNES 03A	Belgium
HELI AREA ARDENNES 03B	Belgium
HELI AREA ARDENNES 04A	Belgium
HELI AREA ARDENNES 04B	Belgium
HELI AREA ARDENNES 05A	Belgium
HELI AREA ARDENNES 05B	Belgium
HELI AREA GEEL	Belgium
HELI AREA HANNUT	Belgium
HELI AREA HERK-DE-STAD	Belgium
HELI AREA SINT-TRUIDEN	Belgium
HELI AREA TURNHOUT	Belgium
HELI AREA WESTERLO	Belgium
HINTERRHEIN (R)-9	Switzerland
HOEVENEN	Belgium
HOFFELT (K)-3	Luxembourg
HONGRIN (R)-7	Switzerland
HOUFFALIZE	Belgium
INOVEC	Slovakia
KLADE DONJI VAKUF (D)-53	Bosnia-Herzegovina
KRSKO (P)-1	Slovenia
KRUISPEEL/ACHTERBROEK (R)-64	Netherlands
KUIFEEND	Belgium
LA ROCHE	Belgium
LAC DE NEUCHATEL (R)-4A	Switzerland
LAENGENBERG (R)-82	Switzerland
LENA CORRIDOR FBZ (G)-12Z2	Netherlands
LENA FBZ (G)-12Z1	Netherlands
LEOPOLDSBURG	Belgium
LOW FLYING ARDENNES AREA 01	Belgium
LOW FLYING ARDENNES AREA 02	Belgium
LOW FLYING ARDENNES AREA 03	Belgium
LOW FLYING ARDENNES AREA 04	Belgium
LOW FLYING ARDENNES AREA 05	Belgium
LOW FLYING ARDENNES EAST	Belgium
LOW FLYING ARDENNES NORTH	Belgium

SUA	Region Name
LOW FLYING ARDENNES SOUTH	Belgium
LOW FLYING ARDENNES WEST	Belgium
LOW FLYING AREA GOLF FIVE EAST	Belgium
LOW FLYING AREA GOLF FIVE WEST	Belgium
LOW FLYING AREA GOLF FOUR	Belgium
LOW FLYING AREA GOLF ONE	Belgium
LOW FLYING AREA GOLF THREE	Belgium
LOW FLYING AREA GOLF TWO NORTH	Belgium
LOW FLYING AREA GOLF TWO SOUTH	Belgium
LUXEMBOURG (K)-29C	Luxembourg
MAAS/WAAL (G)-81	Netherlands
MAGADAN CTA	Russia
MANJACA DPA3 (D)-34	Bosnia-Herzegovina
MANJACA DPA4 (D)-35	Bosnia-Herzegovina
MANJACA HIGH (R)-3	Bosnia-Herzegovina
MANJACA LOW (R)-4	Bosnia-Herzegovina
MARCHE-EN-FAMENNE	Belgium
MARGETICI (D)-28	Bosnia-Herzegovina
MARGRATEN (K)-23	Netherlands
MEEUWEN-GRUITRODE	Belgium
MERYH (K)-2	Slovenia
MERYH FLIGHT BUFFER ZONE	Slovenia
MERYL (K)-1	Slovenia
MERYL FLIGHT BUFFER ZONE	Slovenia
MICHELAU	Luxembourg
MIL HELI AREA VOLTAC PHG PM	France
MIL LOW LEVEL CORRIDOR	Croatia
MIL LOW LEVEL TRAINING AREA	Croatia
MISIN HAN (K)-3	Bosnia-Herzegovina
MOLSBROEK	Belgium
NAMUR AREA ONE	Belgium
NAMUR AREA TWO	Belgium
ORESANY	Slovakia
OVCAREVO (D)-36	Bosnia-Herzegovina
PARAGLIDING ZONE TRIBALJ	Croatia
PECKOVA	Slovakia
PIVKA-ILIRSKA BISTRICA (D)-1	Slovenia
PIVKA-ILIRSKA BISTRICA (R)-4	Slovenia
PIVKA-ILIRSKA BISTRICA (R)-5	Slovenia
PIVKA-ILIRSKA BISTRICA (R)-6A	Slovenia
PIVKA-ILIRSKA BISTRICA (R)-6B	Slovenia

SUA	Region Name
PIVKA-ILIRSKA BISTRICA (R)-6C	Slovenia
PJE AREA BEX AD	Switzerland
PJE AREA BOSSCHENHOOFD	Netherlands
PJE AREA OUDENBOSCH	Netherlands
PJE AREA RHOON	Netherlands
PJE AREA RIJSBERGEN	Netherlands
PJE AREA SCHIJF	Netherlands
PJE AREA SEMPACH (OBERKIRCH)	Switzerland
PJE AREA SEPPE AIRPORT	Netherlands
PJE AREA SOUTH CERNEY	United Kingdom
PJE AREA SPA	Belgium
PJE AREA UTRECHT	Netherlands
PJE AREA WESTON-ON-THE-GREEN	United Kingdom
PJE AREA WIJK BIJ DUURSTEDE	Netherlands
PORTLAND EXERCISE AREAS	United Kingdom
PORTSMOUTH EXERCISE AREAS	United Kingdom
REEK (R)-62	Netherlands
REGTE HEIDE (G)-58	Netherlands
REYKJAVIK CTA	Iceland
REYKJAVIK CTA OCEANIC AREA B	Iceland
RHENEN/GREBBEBERG (K)-19	Netherlands
RIEL (R)-63	Netherlands
RIS RIJECANI (D)-47	Bosnia-Herzegovina
ROCHEFORT	Belgium
ROERMOND (K)-28	Netherlands
RUCPHENSE HEIDE (K)-57	Netherlands
SAINT-HUBERT	Belgium
SEPT MEUSES	Belgium
SKOLSKO BRDO	Bosnia-Herzegovina
SMALL ARMS RANGE SANDHURST	United Kingdom
SMALL ARMS RANGE SPARSHOLT COL	United Kingdom
SMALL ARMS RANGE TIPNER	United Kingdom
SPECK NORTH (R)-84B	Switzerland
SPECK SOUTH (R)-84A	Switzerland
SSK ELEKTROBOSNA JAJCE (D)-57	Bosnia-Herzegovina
STAVELOT	Belgium
TEMP AREA BIOPATH	France
TEMP AREA OPAL	France
TEMPORARY VFR PROHIBITED ZONE	Belgium
TEMPORARY VFR RESTRICTED ZONE	Belgium
TRAINING AREA 1C	Slovenia

SUA	Region Name
TRAINING AREA 1D	Slovenia
TRAINING AREA 1E	Slovenia
TRAINING AREA 2C	Slovenia
TRAINING AREA 2D	Slovenia
TRAINING AREA 2E	Slovenia
TURJAK (K)-2	Bosnia-Herzegovina
UPPER WEST ALPHA (G)-31A	Hungary
USELDANGE GLIDER SECTOR NORTH	Luxembourg
VARES (K)-4	Bosnia-Herzegovina
VELIKA GOMILA	Bosnia-Herzegovina
VIELSALM	Belgium
WAMEL (G)-72	Netherlands
WEILER (K)-4	Luxembourg
WEISSMIES	Switzerland
WEST CHARLIE (G)-21C	Hungary
WEST DELTA (G)-21D	Hungary
WEST ECHO (G)-21E	Hungary
ZALTBOMMEL (G)-82	Netherlands
ZOERSEL	Belgium
ZUPSKI RAZBOJ (G)-1	Bosnia-Herzegovina
ZUTENDAAL	Belgium

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Due to system, software, or source data limitations, some data items are excluded from the final database for the following products covered under Garmin's Type 2 LOA. The following lists detail those data items excluded for the 2511 cycle.

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- [\[view\]](#) Procedures with fly-over turns greater than 270°
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- [\[view\]](#) Departures with waypoints prior to the runway end
- [\[view\]](#) Runways/Helipads excluded due to more than 10 at an airport
- [\[view\]](#) Runways/Helipads excluded due to more than 20 at an airport
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 - [\[view\]](#) VORs
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 - [\[view\]](#) Approaches
 - [\[view\]](#) SIDs
 - [\[view\]](#) STARs
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RNP AR approaches removed due to validation failure

The following issue affects Garmin avionics that use RNP AR navigation databases:

Some RNP AR approaches and departures have been withheld from RNP AR navigation databases due to failing Jeppesen's RNP AR validation checks. These checks are performed as a part of the FAA-approved Jeppesen-Garmin database validation process explained in the following approval letter: FAA RNP AR Procedure Data Validation Approval. A list of the excluded approaches can be found in the cyclic report posted on Jeppesen's website at the following link:

[https://support.jeppesen.com/page?
page=a4F0z0000019KqsEAE&pt;=a3a60000000ZNSgAAO](https://support.jeppesen.com/page?page=a4F0z0000019KqsEAE&pt;=a3a60000000ZNSgAAO)

Approaches affected by CDI/HSI scaling issues

The following issue affects all SBAS (WAAS) enabled Garmin Integrated Flight Decks (**G1000/Embraer Prodigy™/Cirrus Perspective™/G950/G900X**), **4XXW/5XXW series**, and SBAS (WAAS) enabled **GNS 480/CNX80** units:

CDI (Course Deviation Indicator)/HSI (Horizontal Situation Indicator) scaling on a limited number of LNAV/VNAV, and LNAV+V approaches is incorrect. LPV approaches and LNAV approaches without advisory (+V) vertical guidance are not affected. Please see the corresponding Garmin Service Advisory (SA1047) for additional information: <https://support.garmin.com/en-US/aviation/faq/QFbBzpTh7R5w4QjOo4F3c9>

Resolution Status

Garmin product family:	Resolved in software version:	Ref. Service Bulletin (if applicable):
G1000 family	GDU v12.10 and later	n/a
G2/3/5000	v6.50 and later	n/a
GTN	v6.20 and later	n/a
G600	v7.10 and later	n/a
4XXW/5XXW series	v5.03 and later	SB 1317
GNS 480/CNX80	v2.4 and later	SB 1519

For GNS 480/CNX80 units affected by this issue, the approaches in the table below are unavailable.

Airport ID	Approach ID	Region Name
16J	R32	UNITED STATES
19MT	R06	UNITED STATES
24A	R33	UNITED STATES
46U	R13-M	UNITED STATES
65S	R02	UNITED STATES
6A4	R25	UNITED STATES
7B2	R14	UNITED STATES
8S1	R18	UNITED STATES
8S1	R36	UNITED STATES
9N3	R04	UNITED STATES
9Y1	R13	UNITED STATES
AGGH	R06	SOLOMON ISLANDS
BGBW	RNVA	GREENLAND
BGBW	RNVB	GREENLAND
BIHN	R18	ICELAND
CAD4	R34	CANADA
CBD6	R34-Z	CANADA
CBQ7	R29	CANADA
CEC4	R20-Y	CANADA
CEC4	R20-Z	CANADA

Airport ID	Approach ID	Region Name
CFQ6	R08	CANADA
CFQ6	R26	CANADA
CSM3	R24	CANADA
CYCZ	R34-Y	CANADA
CYCZ	R34-Z	CANADA
CYDA	R03-Y	CANADA
CYDA	R03-Z	CANADA
CYDB	R11-Z	CANADA
CYDB	R29-Z	CANADA
CYDC	R22-Y	CANADA
CYDC	R22-Z	CANADA
CYDM	R09	CANADA
CYGE	R14	CANADA
CYLT	R05	CANADA
CYOD	R04	CANADA
CYOD	R13L	CANADA
CYOD	R13R	CANADA
CYOD	R22	CANADA
CYOD	R31L	CANADA
CYOD	R31R	CANADA
CYPZ	R11-Z	CANADA
CYPZ	R29-Z	CANADA
CYQZ	R31-Z	CANADA
CYVK	R05-Y	CANADA
CYVK	R05-Z	CANADA
CYXC	R16-Z	CANADA
CYXT	R15-Z	CANADA
CYXT	R33-Z	CANADA
CYYD	R15-Z	CANADA
CYZT	R08-Z	CANADA
CZAM	R14	CANADA
CZAM	R32	CANADA
DNGO	R05	NIGERIA
DNGO	R23	NIGERIA
DNIB	R04	NIGERIA
DNIB	R22	NIGERIA
DNKT	R05	NIGERIA
DNKT	R23	NIGERIA
DNYO	R17	NIGERIA
DNYO	R35	NIGERIA
E24	R01-M	UNITED STATES

Airport ID	Approach ID	Region Name
EDDC	R04	GERMANY
EDDC	R22	GERMANY
EDDS	R07	GERMANY
EDDS	R25	GERMANY
EDDV	R09L	GERMANY
EDDV	R09R	GERMANY
EDDV	R27L	GERMANY
EDDV	R27R	GERMANY
EDFM	R27	GERMANY
EDRY	R16-Z	GERMANY
EDRY	R34-Z	GERMANY
EGAA	R07	UNITED KINGDOM
EGCC	R23L	UNITED KINGDOM
EGGP	R09	UNITED KINGDOM
EGKK	R08L	UNITED KINGDOM
EGKK	R08R	UNITED KINGDOM
EGKK	R26L	UNITED KINGDOM
EGKK	R26R	UNITED KINGDOM
EGLL	R09L	UNITED KINGDOM
EGLL	R09R	UNITED KINGDOM
EGLL	R27L	UNITED KINGDOM
EGLL	R27R	UNITED KINGDOM
EGPK	R30	UNITED KINGDOM
EGXW	R02	UNITED KINGDOM
EGXW	R20	UNITED KINGDOM
ENAL	R24-Y	NORWAY
ENAS	R30	NORWAY
ENAT	RNVB	NORWAY
ENBL	R25-Z	NORWAY
ENBO	R25	NORWAY
ENEV	R35-Z	NORWAY
ENFL	R25	NORWAY
ENLK	R02	NORWAY
ENNO	R12	NORWAY
ENNO	R30	NORWAY
ENSB	R27-Z	NORWAY
ENSD	R26	NORWAY
ENSG	RNVA	NORWAY
ENST	R20-Z	NORWAY
ENTC	R18-Z	NORWAY
ENTC	R36-Z	NORWAY

Airport ID	Approach ID	Region Name
ESUT	R15	SWEDEN
ETHF	R29	GERMANY
FALE	R06	SOUTH AFRICA
FALE	R24	SOUTH AFRICA
FAOR	R03R	SOUTH AFRICA
FAOR	R21L	SOUTH AFRICA
FMNA	R13	MADAGASCAR
FMNR	R14	MADAGASCAR
FMNR	R32	MADAGASCAR
FMSD	R08	MADAGASCAR
FMSD	R26	MADAGASCAR
GATS	R05	MALI
GATS	R23	MALI
GMMD	R23	MOROCCO
GMMW	R08	MOROCCO
GMMZ	R30	MOROCCO
HAJM	R31	ETHIOPIA
HDAM	R09-Y	DJIBOUTI
HEAX	R14L	EGYPT
HEAX	R14R	EGYPT
HECA	R05L	EGYPT
HECA	R23C	EGYPT
HKIS	R15	KENYA
HKIS	R33	KENYA
HTGW	R27	TANZANIA
KABQ	R08-Y	UNITED STATES
KAFO	R34	UNITED STATES
KAGS	R26	UNITED STATES
KAXX	R17	UNITED STATES
KBCE	R03	UNITED STATES
KBDN	R34	UNITED STATES
KBIH	R12-Y	UNITED STATES
KBIH	R12-Z	UNITED STATES
KBML	R18	UNITED STATES
KBTV	R33-Y	UNITED STATES
KCHA	R15	UNITED STATES
KCMA	R26-Y	UNITED STATES
KCZG	R03	UNITED STATES
KCZG	R21	UNITED STATES
KDNA	R10	UNITED STATES
KEEO	R03	UNITED STATES

Airport ID	Approach ID	Region Name
KEKN	R05	UNITED STATES
KEKO	R24	UNITED STATES
KGCD	R09-Y	UNITED STATES
KGFL	R12	UNITED STATES
KGIC	R26	UNITED STATES
KGNT	R31	UNITED STATES
KGPI	R30	UNITED STATES
KHIE	R10-Y	UNITED STATES
KHLN	R09-Y	UNITED STATES
KHSG	R05	UNITED STATES
KLEB	R25	UNITED STATES
KLXV	R16	UNITED STATES
KMEZ	R17	UNITED STATES
KMFR	R14-Y	UNITED STATES
KMGJ	R22	UNITED STATES
KMMI	R02	UNITED STATES
KMPV	R35	UNITED STATES
KMTJ	R35	UNITED STATES
KMYL	R16	UNITED STATES
KNID	R32	UNITED STATES
KNTD	R21	UNITED STATES
KOKB	R25	UNITED STATES
KPAN	R24	UNITED STATES
KRDM	R29-Y	UNITED STATES
KRIL	R08-Y	UNITED STATES
KRIL	R26-W	UNITED STATES
KRNO	R35RX	UNITED STATES
KROA	R06-Y	UNITED STATES
KSAF	R28	UNITED STATES
KSBS	R32-Z	UNITED STATES
KSGU	R19	UNITED STATES
KSNS	R31-Y	UNITED STATES
KSTS	R14	UNITED STATES
KSVE	R29	UNITED STATES
KSWF	R16	UNITED STATES
KTAD	R03	UNITED STATES
KTRK	R11	UNITED STATES
KUDD	R10	UNITED STATES
KVBW	R15	UNITED STATES
KVSF	R05	UNITED STATES
KWHP	R12	UNITED STATES

Airport ID	Approach ID	Region Name
L71	R06	UNITED STATES
LAKU	R19	ALBANIA
LFGJ	R05-Y	FRANCE
LFKS	R18-Y	FRANCE
LFKS	R18-Z	FRANCE
LFMH	R17-X	FRANCE
LFMH	R17-Y	FRANCE
LFMN	R04LY	FRANCE
LFMN	R04RY	FRANCE
LFMP	R15	FRANCE
LFOP	R04	FRANCE
LFPB	R25	FRANCE
LFPV	R09	FRANCE
LFRB	R25L	FRANCE
LFRH	R20	FRANCE
LFRK	R13	FRANCE
LFRM	R20	FRANCE
LFRU	R04	FRANCE
LFSI	R11	FRANCE
LFSI	R29	FRANCE
LGAD	R34R	GREECE
LGSR	R15	GREECE
LIPO	R32-Z	ITALY
LIRP	R22LY	ITALY
LIRP	R22LZ	ITALY
LOXZ	R26L	AUSTRIA
LSZG	R24	SWITZERLAND
LSZS	R03	SWITZERLAND
LSZS	R21	SWITZERLAND
LTAD	R11L	TURKEY
LTAE	R03	TURKEY
LTAH	R31R	TURKEY
LTAU	R25	TURKEY
LTAW	R06	TURKEY
LTAY	R05	TURKEY
LTBA	R05-Z	TURKEY
LTBA	R23-Z	TURKEY
LTBH	R22	TURKEY
LTBI	R26	TURKEY
LTBJ	R16LZ	TURKEY
LTBJ	R16RZ	TURKEY

Airport ID	Approach ID	Region Name
LTBL	R17	TURKEY
LTBS	R19	TURKEY
LTCE	R26R	TURKEY
LTCF	R06R	TURKEY
LTCF	R24L	TURKEY
LTCF	R24R	TURKEY
LTCN	R25	TURKEY
LTCT	R12	TURKEY
LTCW	R11	TURKEY
LTCW	R29	TURKEY
LTFD	R05	TURKEY
LTFD	R23	TURKEY
LTFE	R10L	TURKEY
LTFJ	R06LZ	TURKEY
LTFJ	R06RZ	TURKEY
LTFJ	R24RZ	TURKEY
MMTJ	R27-Z	MEXICO
NTMD	R06	FRENCH POLYNESIA
NTMD	R24	FRENCH POLYNESIA
NTMN	R02	FRENCH POLYNESIA
NWWW	R11	NEW CALEDONIA
O02	R26-Y	UNITED STATES
O43	R02	UNITED STATES
OAKB	R29	AFGHANISTAN
OETR	R10	SAUDI ARABIA
OIKJ	R31	IRAN
OPPG	R13	PAKISTAN
OPPG	R31	PAKISTAN
ORSU	R13	IRAQ
ORSU	R31	IRAQ
OTBD	R15	QATAR
OYSY	R07	YEMEN ARAB REP
P52	R32	UNITED STATES
PABI	R10	USA
PAGL	R03	USA
PAIL	R08	USA
PAIL	R18	USA
PAKV	R03	USA
PAKW	R02-Y	USA
PAKW	R20	USA
PAKX	R06R	USA

Airport ID	Approach ID	Region Name
PANO	R02	USA
PAOB	R27	USA
PARC	R02	USA
PARC	R20	USA
PAUT	R09	USA
PAUT	R27	USA
PAWG	R10	USA
PFKK	R07	USA
PHNL	R08LY	USA
PHNL	R08R	USA
PHOG	R02-Y	USA
RKTN	R31L	SOUTH KOREA
RKTN	R31R	SOUTH KOREA
SCSE	R30-X	CHILE
SKRG	R01	COLOMBIA
SWMK	R08	BRAZIL
T89	R07	UNITED STATES
TISX	R28	VIRGIN ISLANDS (US)
U55	R36	UNITED STATES
UDYZ	R26-Z	ARMENIA
UHMP	R17	RUSSIA
UHSI	R31	RUSSIA
UZTP	R08-M	UZBEKISTAN
UZTP	R08-N	UZBEKISTAN
UZTP	R08-S	UZBEKISTAN
VLBK	R21	LAOS
VNBW	R10	NEPAL
VVDB	R35-Y	VIETNAM
VVDB	R35-Z	VIETNAM
W13	R06	UNITED STATES
W13	R24	UNITED STATES
WAQJ	R04	INDONESIA
WAQJ	R22	INDONESIA
WATC	R23	INDONESIA
WIMF	R15	INDONESIA
YCKN	R29	AUSTRALIA
YCOM	R18	AUSTRALIA
YCRG	R24	AUSTRALIA
YLEC	R11	AUSTRALIA
YMNG	R36	AUSTRALIA
YSHL	R34	AUSTRALIA

Airport ID	Approach ID	Region Name
YSTH	R08	AUSTRALIA
YWYM	R12	AUSTRALIA
ZMCK	R11	MONGOLIA
ZMCK	R29	MONGOLIA
ZMKD	R34	MONGOLIA

For all other units affected by this issue, the following approaches are available as LNAV only:

Airport ID	Approach ID	Region Name	Area
BGGH	R22-Y	Greenland	EUR
BGGH	R22-Z	Greenland	EUR
BIEG	R21	Iceland	EUR
BIKR	R36	Iceland	EUR
BIRK	R19	Iceland	EUR
CYDB	R11-Z	Canada	CAN
CYDB	R29-Z	Canada	CAN
CYYD	R15-Z	Canada	CAN
DAAE	R08-Z	Algeria	AFR
DNMM	R18R	Nigeria	AFR
DXNG	R03	Togo	AFR
DXNG	R21	Togo	AFR
EDDC	R04	Germany	EUR
EDDC	R22	Germany	EUR
EDDS	R25	Germany	EUR
EDDV	R09L	Germany	EUR
EDDV	R09R	Germany	EUR
EDDV	R27L	Germany	EUR
EDDV	R27R	Germany	EUR
EDRY	R16-Z	Germany	EUR
EDRY	R34-Z	Germany	EUR
EGAA	R07	United Kingdom	EUR
EGCC	R23L	United Kingdom	EUR
EGGP	R09	United Kingdom	EUR
EGKK	R08L	United Kingdom	EUR
EGKK	R08R	United Kingdom	EUR
EGKK	R26L	United Kingdom	EUR
EGKK	R26R	United Kingdom	EUR
EGLL	R09L	United Kingdom	EUR
EGLL	R09R	United Kingdom	EUR
EGLL	R27L	United Kingdom	EUR
EGLL	R27R	United Kingdom	EUR

Airport ID	Approach ID	Region Name	Area
EGPK	R30	United Kingdom	EUR
EGXW	R02	United Kingdom	EUR
EGXW	R20	United Kingdom	EUR
EGYP	R10	United Kingdom	SAM
EIDW	R28LT	Ireland	EUR
ENAL	R24-Y	Norway	EUR
ENBO	R25	Norway	EUR
ENLK	R02	Norway	EUR
ENNA	R16-Z	Norway	EUR
ENNA	R34-Z	Norway	EUR
ENSB	R09-Z	Norway	EUR
ENST	R20-Z	Norway	EUR
ESGG	R03-Z	Sweden	EUR
ESKS	R15	Sweden	EUR
ESKS	R33	Sweden	EUR
ESMS	R17-Z	Sweden	EUR
ESMS	R35-Z	Sweden	EUR
ESNN	R16	Sweden	EUR
ESNN	R34	Sweden	EUR
ESNU	R14	Sweden	EUR
ESNU	R32	Sweden	EUR
ESSA	R19L	Sweden	EUR
ETHF	R29	Germany	EUR
FACT	R19	South Africa	AFR
FIMP	R14-Z	Mauritius	AFR
FMCH	R02	Madagascar	AFR
FMCZ	R16	Madagascar	AFR
FMCZ	R34	Madagascar	AFR
FMEE	R12-Z	Madagascar	AFR
FMEE	R14-Z	Madagascar	AFR
FMEE	R30	Madagascar	AFR
FMEP	R15	Madagascar	AFR
FMMI	R11	Madagascar	AFR
FMMI	R29	Madagascar	AFR
FMNM	R14	Madagascar	AFR
FMNM	R32	Madagascar	AFR
FMNN	R05	Madagascar	AFR
FNBJ	R06L	Angola	AFR
FNBJ	R24L	Angola	AFR
FXMM	R04	Lesotho	AFR
FYWH	R08	Namibia	AFR

Airport ID	Approach ID	Region Name	Area
FYWH	R26	Namibia	AFR
GCFV	R01	Canary Island	AFR
GCLA	R36-Y	Canary Island	AFR
GCXO	R30-Y	Canary Island	AFR
GMFK	R31	Morocco	AFR
GMMD	R05	Morocco	AFR
GMME	R21	Morocco	AFR
GOBD	R01	Senegal	AFR
GOBD	R19	Senegal	AFR
GVBA	R03	Cape Verde	AFR
HAAB	R25LZ	Ethiopia	AFR
HDAM	R09-Z	Djibouti	AFR
HESH	R04L	Egypt	AFR
HESH	R04R	Egypt	AFR
HKMO	R03	Kenya	AFR
HKWJ	R33	Kenya	AFR
HSPN	R34	Sudan	AFR
HTAR	R09	Tanzania	AFR
HTAR	R27	Tanzania	AFR
KMEV	R34	United States	USA
KNTD	R21	United States	USA
KPAN	R24	United States	USA
KRNO	R35LX	United States	USA
KRNO	R35RX	United States	USA
LATI	R17	Albania	EUR
LEAM	R25-Y	Spain	EUR
LEBA	RNVA	Spain	EUR
LEBL	R06LY	Spain	EUR
LEBL	R06RY	Spain	EUR
LEMD	R18LY	Spain	EUR
LEMD	R18RY	Spain	EUR
LEMD	R32RY	Spain	EUR
LEPA	R24LY	Spain	EUR
LEPA	R24RY	Spain	EUR
LEVT	R22-Y	Spain	EUR
LEXJ	R29-Y	Spain	EUR
LFGJ	R05-Y	France	EUR
LFKS	R18-Y	France	EUR
LFLC	R26-Y	France	EUR
LFMH	R17-X	France	EUR
LFMP	R15	France	EUR

Airport ID	Approach ID	Region Name	Area
LFRB	R25L	France	EUR
LFRK	R13	France	EUR
LFRS	R21	France	EUR
LGKR	R16	Greece	EUR
LGTS	R34-Z	Greece	EUR
LICC	R08-Y	Italy	EUR
LICC	R08-Z	Italy	EUR
LIEE	R32	Italy	EUR
LIEO	R05	Italy	EUR
LIEO	R23-Z	Italy	EUR
LIRP	R04L	Italy	EUR
LIRP	R04R	Italy	EUR
LIRQ	R05-X	Italy	EUR
LIRQ	R05-Z	Italy	EUR
LJLJ	R30-Z	Slovenia	EUR
LLBG	R08	Israel	MES
LLBG	R12	Israel	MES
LLBG	R26	Israel	MES
LPPR	R17-Y	Portugal	EUR
LQBK	R34	Bosnia-Herzegovina	EUR
LQMO	R33	Bosnia-Herzegovina	EUR
LQTZ	R09	Bosnia-Herzegovina	EUR
LROD	R19	Romania	EEU
LTBH	R04	Turkiye	MES
LTFH	R13	Turkiye	MES
LTFH	R31	Turkiye	MES
LTFM	R16RZ	Turkiye	MES
LTFM	R17LZ	Turkiye	MES
LTFM	R18-Z	Turkiye	MES
LTFM	R34LZ	Turkiye	MES
LTFM	R35RZ	Turkiye	MES
LTFM	R36-Z	Turkiye	MES
LYNI	R11	Serbia	EUR
MKJS	R07	Jamaica	LAM
MMGL	R29L	Mexico	LAM
MMGL	R29R	Mexico	LAM
MTCH	R05-Z	Haiti	LAM
MTCH	R23	Haiti	LAM
MTPP	R10	Haiti	LAM
MUBA	R16	Cuba	LAM
MUBA	R34	Cuba	LAM

Airport ID	Approach ID	Region Name	Area
MUCU	R10	Cuba	LAM
MUCU	R28	Cuba	LAM
NSFA	R08	American Samoa	SPA
NSFA	R26	American Samoa	SPA
NTAA	R04	French Polynesia	SPA
NTAA	R22	French Polynesia	SPA
NZPM	R25-W	New Zealand	SPA
OEJN	R16R	Saudi Arabia	MES
OEMA	R17	Saudi Arabia	MES
OEMA	R18	Saudi Arabia	MES
OEMA	R35	Saudi Arabia	MES
OERK	R15R	Saudi Arabia	MES
OIZH	R35L	Iran	MES
OJAI	R08L	Jordan	MES
OJAI	R26R	Jordan	MES
OJAM	R24	Jordan	MES
OJAQ	R19	Jordan	MES
OMAA	R13RZ	United Arab Emirates	MES
OMAA	R31LZ	United Arab Emirates	MES
OMAD	R13	United Arab Emirates	MES
OMAD	R31	United Arab Emirates	MES
OMDB	R12R	United Arab Emirates	MES
OMDB	R30R	United Arab Emirates	MES
OOMS	R08R	Oman	MES
OOSA	R07	Oman	MES
OOSA	R25	Oman	MES
OTBD	R33	Qatar	MES
OTHH	R16L	Qatar	MES
OTHH	R16R	Qatar	MES
OTHH	R34L	Qatar	MES
OTHH	R34R	Qatar	MES
OTHH	R34RT	Qatar	MES
OYSN	R18	Yemen	MES
OYSN	R36	Yemen	MES
PAUT	R27	United States Of America	CAN
RJAA	R34R	Japan	PAC
RJBB	R06RY	Japan	PAC
RJBE	R09	Japan	PAC
RJBT	R01	Japan	PAC
RJFF	R34L	Japan	PAC
RJOI	R02	Japan	PAC

Airport ID	Approach ID	Region Name	Area
RJSM	R28	Japan	PAC
RJTQ	R20	Japan	PAC
RJTT	R16L	Japan	PAC
RJTT	R16R	Japan	PAC
RKPS	R06L	South Korea	PAC
RKPS	R06R	South Korea	PAC
RPME	R12	Philippines	PAC
RPME	R30	Philippines	PAC
RPMZ	R09	Philippines	PAC
RPMZ	R27	Philippines	PAC
RPUN	R04	Philippines	PAC
RPVI	R02	Philippines	PAC
RPVI	R20	Philippines	PAC
RPVM	R04L	Philippines	PAC
RPVM	R04R	Philippines	PAC
RPVM	R22L	Philippines	PAC
RPVM	R22R	Philippines	PAC
RPVP	R27	Philippines	PAC
SACO	R19	Argentina	SAM
SACO	R23	Argentina	SAM
SADP	R17	Argentina	SAM
SANT	R20	Argentina	SAM
SASJ	R34	Argentina	SAM
SAVC	R07	Argentina	SAM
SAVE	R23-Z	Argentina	SAM
SAWC	R25	Argentina	SAM
SAWH	R25-Z	Argentina	SAM
SAZS	R11	Argentina	SAM
SAZS	R29-Y	Argentina	SAM
SAZS	R29-Z	Argentina	SAM
SAZY	R06-X	Argentina	SAM
SBBR	R11LW	Brazil	SAM
SBBR	R29LV	Brazil	SAM
SBBR	R29LX	Brazil	SAM
SCVM	R23	Chile	SAM
SKBO	R14L	Colombia	SAM
SKBO	R14R	Colombia	SAM
TFFF	R28	Guadeloupe	LAM
TFFR	R12-Z	Guadeloupe	LAM
UAAL	R27	Kazakhstan	EEU
UACC	R04	Kazakhstan	EEU

Airport ID	Approach ID	Region Name	Area
UACC	R22	Kazakhstan	EEU
UASK	R30	Kazakhstan	EEU
UDSG	R20	Armenia	EEU
UDYZ	R08	Armenia	EEU
UHMA	R02	Russia	EEU
UHMA	R20	Russia	EEU
UHMM	R10	Russia	EEU
UHMM	R28	Russia	EEU
UIII	R30	Russia	EEU
UIUU	R08	Russia	EEU
UIUU	R26	Russia	EEU
UMMS	R13L	Belarus	EEU
UMMS	R31R	Belarus	EEU
URML	R14	Kazakhstan	EEU
URML	R32	Kazakhstan	EEU
USPP	R21	Russia	EEU
UTDD	R27	Kazakhstan	EEU
UUDD	R31C	Russia	EEU
UUDD	R31L	Russia	EEU
UUDD	R31R	Russia	EEU
UUEE	R06L	Russia	EEU
UUEE	R24R	Russia	EEU
VABB	R09-Y	India	MES
VABB	R14-Y	India	MES
VANM	R26	India	MES
VEGY	R28-Y	India	MES
VHHH	R25CZ	Hong Kong	PAC
VHHH	R25RZ	Hong Kong	PAC
VIKG	R05-Y	India	MES
VNBW	R28-Y	Nepal	MES
VOBL	R09L	India	MES
VOBL	R09RY	India	MES
VOBL	R27R	India	MES
VOCL	R28-Y	India	MES
VOTP	R08	India	MES
VOTP	R26	India	MES
VTCC	R18	Thailand	PAC
VTGN	R02	Thailand	PAC
VTCT	R03	Thailand	PAC
WAAA	R21	Indonesia	SPA
WAEE	R32-Z	Indonesia	SPA

Airport ID	Approach ID	Region Name	Area
WAFQ	R35	Indonesia	SPA
WAMM	R36	Indonesia	SPA
WAMP	R31	Indonesia	SPA
WAQT	R01	Indonesia	SPA
WARA	R35-Y	Indonesia	SPA
WATB	R29	Indonesia	SPA
WATL	R28	Indonesia	SPA
WBGB	R35-Y	Brunei	SPA
WBGs	R13-Y	Brunei	SPA
WBGs	R31-Y	Brunei	SPA
WBKK	R02-Y	Brunei	SPA
WBKK	R20-Y	Brunei	SPA
WIII	R07R	Indonesia	SPA
WIII	R25L	Indonesia	SPA
WIMN	R09	Indonesia	SPA
WIMN	R27	Indonesia	SPA
WMKK	R14LX	Malaysia	SPA
WMKK	R14LY	Malaysia	SPA
WMKK	R14RX	Malaysia	SPA
WMKK	R14RY	Malaysia	SPA
WMKK	R15-X	Malaysia	SPA
WMKK	R15-Y	Malaysia	SPA
WMKK	R32LX	Malaysia	SPA
WMKK	R32LY	Malaysia	SPA
WMKK	R32RX	Malaysia	SPA
WMKK	R32RY	Malaysia	SPA
WMKK	R33-X	Malaysia	SPA
WMKK	R33-Y	Malaysia	SPA
WMKN	R04-Y	Malaysia	SPA
WMKP	R22-Y	Malaysia	SPA
WMSA	R15-Y	Malaysia	SPA
WPD L	R08-Z	Indonesia	SPA
WPD L	R26-Z	Indonesia	SPA
YBHM	R32-Y	Australia	SPA
YEWA	R28	Australia	SPA
YGLA	R10	Australia	SPA
YLHR	R12	Australia	SPA
YMAY	R25	Australia	SPA
YMER	R03	Australia	SPA
YMLT	R32LZ	Australia	SPA
YPAD	R23	Australia	SPA

Airport ID	Approach ID	Region Name	Area
YPAD	R30	Australia	SPA
YWLM	R30-Z	Australia	SPA
ZBAY	R11	China	XYA
ZBUC	R09	China	XYA
ZBZL	R20	China	CUC

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Approaches removed due to CDI scaling issues

The following issue affects **G1000, Embraer Prodigy™, Cirrus Perspective™, G950 and G900X, G2/3/5000, GTN 6xx/7xx series product families and 4XXW/5XXW series** product families:

CDI/HSI scaling on a limited number of LPV and LNAV/VNAV approaches is incorrect. Please see the corresponding Garmin Service Advisory (SA1344) for additional information: <https://support.garmin.com/en-US/aviation/faq/cuGossw24a9aoLqvniFNo6>

Resolution Status

Garmin product family:	Resolved in software version:	Ref. Service Bulletin (if applicable):
G1000 family	GDU v15.00 and later	n/a
G2/3/5000 family	GDU v5.00 and later	n/a
4XXW/5XXW series	v5.10 and later	SB 1403
GTN 6xx/7xx	v5.13 and later	SB 1466

For units affected by this issue the approaches in the table below have been removed:

Airport ID	Approach ID	Area
CO92	R03-M	USA
KTEX	R09-M	USA
LFKC	R18-W	EUR
LFKC	R18-X	EUR
LFKJ	R02-Z	EUR
LIYC	R360	EUR

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RNAV (GPS) approaches with LP minima removed due to lack of descent angle

The following issue affects **G1000**, **Embraer Prodigy™**, **Cirrus Perspective™**, **G950** and **G900X**, **G2/3/5000**, **GTN 6xx/7xx** series product families and **4XXW/5XXW series** product families.

Some RNAV (GPS) approaches have been removed due to an issue with the lack of a descent angle on approaches that have an LP service level. For additional details, see Service Advisory 1372: <https://support.garmin.com/en-US/aviation/faq/k3WKmvvLXh7Cnf0QVug088>

Resolution Status

Garmin product family:	Resolved in software version:	Ref. Service Bulletin (if applicable):
G1000 family	GDU v15.00 and later	n/a
G2/3/5000 family	GDU v5.00 and later	n/a
4XXW/5XXW series	v5.10 and later	SB 1403
GTN 6xx/7xx	v5.13 and later	SB 1466

For units affected by this issue the following RNAV (GPS) approaches have been removed:

Airport ID	Approach ID	Area
D95	R36	USA
KDWU	R28	USA

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LPV approaches that display and function as LNAV approaches (software correctable)

The following issue affects **G1000**, **Embraer Prodigy™**, **Cirrus Perspective™**, **G950** and **G900X** product families with GDU software prior to v10.00 and **4XXW/5XXW series** product families with software prior to v3.20:

LPV approaches at airports with a 3-character identifier (e.g., "1G3") will only display and function as LNAV approaches. Since software updates are available to address this issue, the list of affected airports is no longer specifically maintained. Please see the corresponding Garmin Service Advisory for additional information:

<https://support.garmin.com/en-US/aviation/faq/6gxhH9VzFK3FXZEW71fnMA>

Resolution Status

Garmin product family:	Resolved in software version:	Ref. Service Bulletin (if applicable):
G1000 family	GDU v10.00 and later	n/a
4XXW/5XXW series	v3.20 and later	SB 0848

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Items removed for containing points with non WGS-84 or NAD-83 datums

The following issue affects all Garmin aviation navigation databases:

Garmin is purposefully removing RNAV procedures which reference waypoints that do not have a WGS-84 or NAD-83 map datum associated with their position. Please see the corresponding GarminNavData Alert for additional information:

<https://www.garmin.com/en-US/aviationalerts/rnav-procedures-with-non-wgs-84-datums/>

The following approaches have been excluded due to this issue:

Airport ID	Approach ID	Region Name	Area
UTDK	R01	Kazakhstan	EEU

The following SID/STARs have been excluded due to this issue:

Airport ID	SID/STAR ID	Region Name	Area
FLMF	AXEB1A	Zambia	AFR
FLMF	AXEB1B	Zambia	AFR
FMMI	LIKI1E	Madagascar	AFR
FMMI	LIKI1W	Madagascar	AFR
UTDD	ABNA1N	Kazakhstan	EEU
UTDD	FORI1E	Kazakhstan	EEU
UTDD	NAVO1A	Kazakhstan	EEU
UTDD	NAVO1J	Kazakhstan	EEU
UTDD	OKTA1A	Kazakhstan	EEU
UTDD	OKTA1E	Kazakhstan	EEU
UTDD	OKTA1N	Kazakhstan	EEU
UTDK	UTSO1J	Kazakhstan	EEU
UTDK	VOBI1N	Kazakhstan	EEU
UTDK	YOVE1A	Kazakhstan	EEU
UTDK	YOVE1J	Kazakhstan	EEU
UTDL	KEGI1A	Kazakhstan	EEU
UTDL	KEGI1E	Kazakhstan	EEU
UTDL	KEGI1J	Kazakhstan	EEU
UTDL	KEGI1K	Kazakhstan	EEU
UTDL	KEGI1N	Kazakhstan	EEU
UTDT	ACRI1N	Kazakhstan	EEU
UTDT	AZIK1J	Kazakhstan	EEU
UTDT	OTSE1A	Kazakhstan	EEU
UZSK	ARBE1B	Uzbekistan	EEU
UZSK	ARBE1D	Uzbekistan	EEU
UZSK	ARBE1U	Uzbekistan	EEU
UZSK	ARBE1W	Uzbekistan	EEU
WIHH	CA1Y	Indonesia	SPA
WIHH	CA1Z	Indonesia	SPA
WIHH	IMAB1G	Indonesia	SPA
WIHH	IMAB1H	Indonesia	SPA
WIHH	PW1E	Indonesia	SPA
WIHH	PW1F	Indonesia	SPA
WIHH	PW1G	Indonesia	SPA
WIHH	PW1H	Indonesia	SPA
WIHH	REND1G	Indonesia	SPA
WIHH	REND1H	Indonesia	SPA
WIII	CA2B	Indonesia	SPA
WIII	CA2C	Indonesia	SPA

Airport ID	SID/STAR ID	Region Name	Area
WIII	PW2A	Indonesia	SPA
WIII	PW2B	Indonesia	SPA
WIII	PW2C	Indonesia	SPA
WIII	PW2D	Indonesia	SPA
WIII	PW2J	Indonesia	SPA
WIII	PW2K	Indonesia	SPA

The following airways have been excluded due to this issue:

Route ID	Country
L437	Africa
M315	Africa
M740	Africa
N305	Africa
P126	Africa
P32	Africa
T481	Africa
UL437	Africa
UM215	Africa
UM216	Africa
UM306	Africa
UM315	Africa
UM731	Africa
UN305	Africa
UQ579	Africa
UT325	Africa
UT481	Africa
UY198	Africa
UY288	Africa
M771	Eastern Europe
Z235	Eastern Europe
Z345	Eastern Europe
Z626	Eastern Europe
Z767	Eastern Europe
UP533	Latin America
M771	Pacific
UL216	South America
UL795	South America
UP533	South America

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SID Transitions

Due to software limitations a SID is limited to a maximum of 31 Transitions. Transitions past 31 will be removed from a SID. The following data items are excluded from the **CNX80/GNS480** database:

SID transitions

No data affected by this issue this cycle

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Approaches removed due to issue with Missed Approach offset from runway

An issue involving Missed Approach Point offset from the runway affects **G1000, Embraer Prodigy™, Cirrus Perspective™, G950 and G900X, G2/3/5000, GTN 6xx/7xx series product families and 4XXW/5XXW series product families**:

Resolution Status

Garmin product family:	Resolved in software version:	Ref. Service Bulletin (if applicable):
G1000 family	GDU v21.06 and later	n/a
G2/3/5000 family	GDU v21.06 and later	n/a
GTN 6xx/7xx	v6.50 and later	SB 1860B

For units affected by this issue the approaches in the table below have been removed:

Airport ID	Approach ID	Area
ENAX	R250	RNS
ENBX	R003	RNS
ENEV	R170	RNS
ENEV	R350	RNS
ENRO	R162	RNS
ENSR	R139	RNS
ENTU	R359	RNS
ENTX	R352	EUR
KEGE	R25-T	NJ1
PAJN	R26-P	CAN
XZFN	R107	RNS
XZHO	R355	RNS
XZRL	R215	RNS
XZSO	R181	RNS
XZTG	R012	RNS
XZVB	R277	RNS

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RNAV (GPS) approaches with LP minima removed due to inconsistent vertical guidance

The following issue affects **G1000, Embraer Prodigy™, Cirrus Perspective™, G950 and G900X, G2/3/5000, GTN 6xx/7xx** series product families, **4XXW/5XXW series** product families, GPS 175, GNX 375, GNC 355 and **CNX80/GNS480**.

The following RNAV (GPS) approaches have been removed due to inconsistent vertical guidance.

No data affected by this issue this cycle

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RNAV Airways

Due to software limitations, the following RNAV Airways are excluded from the **CNX80/GNS480** database:

Airway ID	Region Name
N495E	Canada and Alaska
N559B	Canada and Alaska
N566A	Canada and Alaska
N586A	Canada and Alaska
N589B	Canada and Alaska
N601B	Canada and Alaska
N610A	Canada and Alaska
N629B	Canada and Alaska
N634A	Canada and Alaska
N657B	Canada and Alaska
N658B	Canada and Alaska
N667A	Canada and Alaska
N681B	Canada and Alaska
N682B	Canada and Alaska
N686A	Canada and Alaska
N691A	Canada and Alaska
N704B	Canada and Alaska
N708B	Canada and Alaska
N715B	Canada and Alaska
N71B	Canada and Alaska
N724A	Canada and Alaska
N739B	Canada and Alaska
N744A	Canada and Alaska
N763B	Canada and Alaska
N764A	Canada and Alaska
N785A	Canada and Alaska
N798B	Canada and Alaska
N807A	Canada and Alaska
N827B	Canada and Alaska
N83B	Canada and Alaska
N847B	Canada and Alaska
N865A	Canada and Alaska
N883B	Canada and Alaska
N897B	Canada and Alaska
N90B	Canada and Alaska
N93B	Canada and Alaska
N94A	Canada and Alaska

Airway ID	Region Name
N97B	Canada and Alaska
N99B	Canada and Alaska
T248	Canada and Alaska
T250	Canada and Alaska
T645	Canada and Alaska
T685	Canada and Alaska
T719	Canada and Alaska
T769	Canada and Alaska
T825	Canada and Alaska
A103	Eastern Europe
A107	Eastern Europe
A228	Eastern Europe
A302	Eastern Europe
A308	Eastern Europe
A575	Eastern Europe
A817	Eastern Europe
A818	Eastern Europe
B100	Eastern Europe
B807	Eastern Europe
B911	Eastern Europe
B951	Eastern Europe
G249	Eastern Europe
G809	Eastern Europe
L154	Eastern Europe
L75	Eastern Europe
L84	Eastern Europe
M987	Eastern Europe
N992	Eastern Europe
P156	Eastern Europe
P26	Eastern Europe
P727	Eastern Europe
P851	Eastern Europe
P865	Eastern Europe
Q545	Eastern Europe
R104	Eastern Europe
R211	Eastern Europe
R241	Eastern Europe
R480	Eastern Europe
T535	Eastern Europe
W105	Eastern Europe
W119	Eastern Europe

Airway ID	Region Name
W239	Eastern Europe
W284	Eastern Europe
W297	Eastern Europe
Y524	Eastern Europe
Z924	Eastern Europe
A2	Europe
A25	Europe
A27	Europe
A29	Europe
A34	Europe
A53	Europe
B13	Europe
B19	Europe
B3	Europe
B31	Europe
G17	Europe
G21	Europe
G36	Europe
G39	Europe
G40	Europe
G53	Europe
H22	Europe
H34	Europe
H38	Europe
H40	Europe
J20	Europe
J301	Europe
L602	Europe
L612	Europe
L613	Europe
L615	Europe
L620	Europe
L856	Europe
L980	Europe
M163	Europe
M189	Europe
M604	Europe
M622	Europe
M736	Europe
M858	Europe
M91	Europe

Airway ID	Region Name
N20	Europe
N491	Europe
N552	Europe
N562	Europe
N57	Europe
N850	Europe
N864	Europe
N871	Europe
N872	Europe
N873	Europe
P154	Europe
P55	Europe
P62	Europe
R10	Europe
R11	Europe
R17	Europe
R31	Europe
R50	Europe
T105	Europe
T20	Europe
T22	Europe
T256	Europe
T37	Europe
T544	Europe
T603	Europe
T606	Europe
T718	Europe
T734	Europe
UL194	Europe
UL612	Europe
UL613	Europe
UL976	Europe
UM163	Europe
UM189	Europe
UM729	Europe
UM733	Europe
UM976	Europe
UN482	Europe
UN57	Europe
UN741	Europe
UN859	Europe

Airway ID	Region Name
UN861	Europe
UN864	Europe
UN871	Europe
UP860	Europe
UQ220	Europe
UT10	Europe
UT158	Europe
UT188	Europe
UT256	Europe
UT300	Europe
UT512	Europe
UY24	Europe
UY36	Europe
UY420	Europe
UZ116	Europe
UZ12	Europe
UZ474	Europe
V12	Europe
V13	Europe
V18	Europe
V21	Europe
V30	Europe
Y100	Europe
Y112	Europe
Y12	Europe
Y51	Europe
Y803	Europe
Z16	Europe
Z318	Europe
Z42	Europe
Z58	Europe
Z601	Europe
Z652	Europe
Z669	Europe
Z69	Europe
Z739	Europe
Z90	Europe
J203	South Pacific
Z33	South Pacific
Q176	United States Lower 48
Q67	United States Lower 48

Airway ID	Region Name
T213	United States Lower 48
T217	United States Lower 48
T285	United States Lower 48
T286	United States Lower 48
T301	United States Lower 48
T305	United States Lower 48
T354	United States Lower 48
T383	United States Lower 48
T403	United States Lower 48

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SIDs with no associated runways

Due to software limitations, the following SIDs with no associated runways are excluded from the **CNX80/GNS480** database:

SID ID	Airport ID	City	State	Country
LYTMY1	03WI	GRAFTON	WISCONSIN	UNITED STATES
HAMTA2	08II	LAGRANGE	INDIANA	UNITED STATES
EZETY2	09VG	FISHERSVILLE	VIRGINIA	UNITED STATES
KNOWN1	0IA6	CRESCO	IOWA	UNITED STATES
WIBIV1	0WI3	ELKHORN	WISCONSIN	UNITED STATES
ROTND1	23WI	BLACK RIVER FALLS	WISCONSIN	UNITED STATES
SSLAM1	23WS	MILWAUKEE	WISCONSIN	UNITED STATES
RECOK1	28IL	CRYSTAL LAKE	ILLINOIS	UNITED STATES
ERIXN1	2KY7	CAMPBELLSVILLE	KENTUCKY	UNITED STATES
FILUS1	2WI3	MILWAUKEE	WISCONSIN	UNITED STATES
CEBOS2	30MN	ALBERT LEA	MINNESOTA	UNITED STATES
HUSKO2	30TN	NASHVILLE	TENNESSEE	UNITED STATES
ICAKI1	30TN	NASHVILLE	TENNESSEE	UNITED STATES
VVETE1	33PA	WEXFORD	PENNSYLVANIA	UNITED STATES
COMOT2	39CN	UKIAH	CALIFORNIA	UNITED STATES
STOMK1	3IA6	OTTUMWA	IOWA	UNITED STATES
CUKCA4	3MN6	MANKATO	MINNESOTA	UNITED STATES
PEKUN1	3OH2	MOUNT ORAB	OHIO	UNITED STATES
LEEAG1	45NR	WILMINGTON	NORTH CAROLINA	UNITED STATES
IHAHO1	45TX	PEARLAND	TEXAS	UNITED STATES
GOOCI1	4CA5	ORANGE	CALIFORNIA	UNITED STATES
PREES1	4WI6	PRAIRIE DU CHIEN	WISCONSIN	UNITED STATES
MMARK1	4WI7	KOHLER	WISCONSIN	UNITED STATES
JAADA1	52XS	WEBSTER	TEXAS	UNITED STATES

SID ID	Airport ID	City	State	Country
CIPUG1	55KY	OWENSBORO	KENTUCKY	UNITED STATES
JASIN1	55TA	CONROE	TEXAS	UNITED STATES
OCURE2	5IN7	MARION	INDIANA	UNITED STATES
BILFO1	5PA8	CONSHOHOCKEN	PENNSYLVANIA	UNITED STATES
OXIRE2	60II	TERRE HAUTE	INDIANA	UNITED STATES
FEBLO1	6TS9	PLANO	TEXAS	UNITED STATES
SIMZZ1	79WI	WHITEHALL	WISCONSIN	UNITED STATES
GUTTO1	7MD6	OCEAN CITY	MARYLAND	UNITED STATES
HIBAL2	81II	INDIANAPOLIS	INDIANA	UNITED STATES
JOLID2	82MN	LAKE CITY	MINNESOTA	UNITED STATES
HIBIB2	8IN1	LAFAYETTE	INDIANA	UNITED STATES
SUBVE2	8TX9	GAINESVILLE	TEXAS	UNITED STATES
ACOSU1	95MN	FAIRMONT	MINNESOTA	UNITED STATES
JOGAG1	95NC	JACKSONVILLE	NORTH CAROLINA	UNITED STATES
JODMA3	97MN	RED WING	MINNESOTA	UNITED STATES
BIZXU2	99MN	ROCHESTER	MINNESOTA	UNITED STATES
ZOSDI1	99MN	ROCHESTER	MINNESOTA	UNITED STATES
JNOON1	9KT0	LOUISVILLE	KENTUCKY	UNITED STATES
EKYOR2	9MI9	KALAMAZOO	MICHIGAN	UNITED STATES
DODIE1	CA37	SANTA CRUZ	CALIFORNIA	UNITED STATES
JOLMA2	CN01	FORT BRAGG	CALIFORNIA	UNITED STATES
MASHB1	IA04	DECORAH	IOWA	UNITED STATES
YUSUL1	IA15	WEST UNION	IOWA	UNITED STATES
IDUKE1	IA64	DES MOINES	IOWA	UNITED STATES
OSIRE1	IA80	WAUKON	IOWA	UNITED STATES
ELOKE2	II56	KOKOMO	INDIANA	UNITED STATES
HIBAT1	II56	KOKOMO	INDIANA	UNITED STATES
HEPDO1	IN35	GREENSBURG	INDIANA	UNITED STATES
HIBUK1	IN84	MARTINSVILLE	INDIANA	UNITED STATES
KRSSA1	IN89	WABASH	INDIANA	UNITED STATES
TIRCU2	IN96	LOGANSPOUT	INDIANA	UNITED STATES
MIDWA2	IN97	FORT WAYNE	INDIANA	UNITED STATES
HUBEM2	LA93	NEW ORLEANS	LOUISIANA	UNITED STATES
WADMU2	LA93	NEW ORLEANS	LOUISIANA	UNITED STATES
DO951A	LODO	OBERWART	N/A	AUSTRIA
YOYCO2	MI97	GRAND RAPIDS	MICHIGAN	UNITED STATES
CEBOT2	MN34	AUSTIN	MINNESOTA	UNITED STATES
HUSIN1	NC78	WHITEVILLE	NORTH CAROLINA	UNITED STATES
SNDOF1	NC91	GREENVILLE	NORTH CAROLINA	UNITED STATES
IVRO1S	NZAM	ASHBURTON	N/A	NEW ZEALAND

SID ID	Airport ID	City	State	Country
VASN1P	NZCV	CHEVIOT	N/A	NEW ZEALAND
OBLI3S	NZDH	DUNEDIN	N/A	NEW ZEALAND
RIPG6S	NZDH	DUNEDIN	N/A	NEW ZEALAND
EKEN1P	NZDU	DUNSTAN	N/A	NEW ZEALAND
LEKA2R	NZDU	DUNSTAN	N/A	NEW ZEALAND
KARN1P	NZFA	TE HAPUA	N/A	NEW ZEALAND
BUDP1R	NZGD	GERALDINE	N/A	NEW ZEALAND
ADMOG1	NZGO	GORE	N/A	NEW ZEALAND
UNROX2	NZHB	HELENA BAY	N/A	NEW ZEALAND
IDUX1Z	NZHC	WANAKA LAKES	N/A	NEW ZEALAND
TATE1W	NZHC	WANAKA LAKES	N/A	NEW ZEALAND
NITEB4	NZHH	HAMILTON	N/A	NEW ZEALAND
PORA1P	NZHR	HANMER SPRINGS	N/A	NEW ZEALAND
LEKUL1	NZJC	CHRISTCHURCH	N/A	NEW ZEALAND
NOVTO1	NZJC	CHRISTCHURCH	N/A	NEW ZEALAND
BROA1P	NZJK	KAITAIA	N/A	NEW ZEALAND
BROA1Q	NZJK	KAITAIA	N/A	NEW ZEALAND
UPNO3P	NZJL	AUCKLAND	N/A	NEW ZEALAND
SOSLO5	NZJS	SOUTHLAND	N/A	NEW ZEALAND
POURO3	NZJT	TAUMARUNUI	N/A	NEW ZEALAND
ZEDE1P	NZJW	RAWENE	N/A	NEW ZEALAND
GODOK1	NZJX	TOKOROA	N/A	NEW ZEALAND
DUBIP2	NZKC	KAIKOURA	N/A	NEW ZEALAND
GUVEN2	NZKC	KAIKOURA	N/A	NEW ZEALAND
ANOP1T	NZLM	LUMSDEN	N/A	NEW ZEALAND
GUVTU1	NZLM	LUMSDEN	N/A	NEW ZEALAND
IVRO1P	NZMV	METHVEN	N/A	NEW ZEALAND
ERVIT1	NZON	OBAN	N/A	NEW ZEALAND
OMBAM2	NZOR	OAMARU	N/A	NEW ZEALAND
XELA1P	NZOW	ONETANGI	N/A	NEW ZEALAND
LEGI1P	NZRN	RANFURLY	N/A	NEW ZEALAND
URGAB1	NZTC	TAPANUI	N/A	NEW ZEALAND
HN3H	NZTQ	TE KUITI	N/A	NEW ZEALAND
BUDP1P	NZTW	TWIZEL	N/A	NEW ZEALAND
EMSI1P	NZTW	TWIZEL	N/A	NEW ZEALAND
ATNE1P	NZTX	TE ANAU	N/A	NEW ZEALAND
IDIXI1	NZTZ	TIMARU	N/A	NEW ZEALAND
TUSVI1	NZTZ	TIMARU	N/A	NEW ZEALAND
ATKU2P	NZWG	WHANGAMATA	N/A	NEW ZEALAND
MASD2P	NZWG	WHANGAMATA	N/A	NEW ZEALAND

SID ID	Airport ID	City	State	Country
AVBES2	NZWJ	WELLSFORD	N/A	NEW ZEALAND
VEVO1P	NZWZ	WARKWORTH	N/A	NEW ZEALAND
RAGOY1	P72	PHILADELPHIA	PENNSYLVANIA	UNITED STATES
ATLER1	RJFH	NATA	N/A	JAPAN
ZUPIL2	TE11	FRESNO	TEXAS	UNITED STATES
DEEBE1	TE55	LIBERTY	TEXAS	UNITED STATES
UBANN1	TS06	DALLAS	TEXAS	UNITED STATES
YAZOO1	TS23	AUSTIN	TEXAS	UNITED STATES
JAXEN1	TT59	KINGWOOD	TEXAS	UNITED STATES
FABER1	TX33	HOUSTON	TEXAS	UNITED STATES
JANKS1	TX76	HOUSTON	TEXAS	UNITED STATES
EDEDE2	VA77	FARMVILLE	VIRGINIA	UNITED STATES
DUVTE2	VA97	DILLWYN	VIRGINIA	UNITED STATES
KEMTE1	VHSS	SHEUNG WAN	N/A	HONG KONG
PRYZE1	WI48	FOND DU LAC	WISCONSIN	UNITED STATES
JIGIL1	WI75	WEST BEND	WISCONSIN	UNITED STATES
GOTMY2	WS38	EAU CLAIRE	WISCONSIN	UNITED STATES
PDITY2	WS38	EAU CLAIRE	WISCONSIN	UNITED STATES
DMAWR1	WS53	RACINE	WISCONSIN	UNITED STATES
WARER2	XA61	DALLAS	TEXAS	UNITED STATES
CANGA2	XA62	DALLAS	TEXAS	UNITED STATES

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LPV, LP, LP+V approaches downgraded or removed

Due to database processing limitations, the following LPV, LP +V, or LP approaches have been removed or downgraded to LNAV/VNAV, LNAV +V, or LNAV in the **CNX80/GNS480** database:

Airport ID	Approach ID
KLXV	R16

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SID/STARs excluded due to more than 127 at an airport

Due to software limitations with handling more than 127 SIDs at an airport, the following SIDs are excluded from the **CNX80/GNS480** database:

Airport ID	STAR ID	Region Name
VIDP	APUD7A	INDIA
VIDP	APUD7B	INDIA

Airport ID	STAR ID	Region Name
VIDP	APUD7C	INDIA
VIDP	APUD7D	INDIA
VIDP	APUD7E	INDIA
VIDP	APUD7F	INDIA
VIDP	APUD7G	INDIA
VIDP	APUD7H	INDIA
VIDP	HW7A	INDIA
VIDP	HW7B	INDIA
VIDP	HW7C	INDIA
VIDP	HW7D	INDIA
VIDP	HW7L	INDIA
VIDP	HW7M	INDIA
VIDP	HW7N	INDIA
VIDP	HW7P	INDIA
VIDP	JAL7L	INDIA
VIDP	JAL7M	INDIA
VIDP	JAL7N	INDIA
VIDP	JAL7P	INDIA
VIDP	PUMO7A	INDIA
VIDP	PUMO7B	INDIA
VIDP	PUMO7C	INDIA
VIDP	PUMO7D	INDIA
VIDP	PUMO7L	INDIA
VIDP	PUMO7M	INDIA
VIDP	PUMO7N	INDIA
VIDP	PUMO7P	INDIA
VIDP	UKAS7H	INDIA

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Procedures with large turns following altitude terminated legs

Some Garmin navigation systems may provide lateral guidance that conflicts with the published procedure. Please see the corresponding Garmin Data Alert 1709 for additional information: <https://www.garmin.com/en-US/aviationalerts/lateral-guidance-on-turns-following-altitude-dependent-procedure-segments/>.

This issue affects the following units (all software versions):

- Garmin Integrated Flight Decks (G900X, G950, G1000(H), G1000 NXi, Cirrus Perspective™, Embraer Prodigy™, G2000, G3000, G5000, Embraer Prodigy Touch®)
- GTN 6XX/7XX Series Product Families
- 4XXW/5XXW Series Product Families
- GPS 175/GNX 375/GNC 355

For units affected by this issue, the following procedures have been removed:

Airport ID	Procedure ID	Procedure Type
KCPR	ALCOS6	SID
KHIO	SCAPO7	SID
KILE	LAMPS8	SID
LFPM	ARSI5C	SID
LFPM	POLY5C	SID
LZIB	TOVK3A	SID
RPMR	MELB1A	SID

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Procedures with fly-over turns greater than 270°

Some Garmin navigation systems may provide lateral guidance that conflicts with the published procedure. Please see the corresponding Garmin Data Alert 1710 for additional information: <https://www.garmin.com/en-US/aviationalerts/lateral-guidance-on-turns-equal-to-or-greater-than-270/>.

This issue affects the following units:

- 4XXW/5XXW Series Product Families (all software versions)
- GTN 6XX/7XX Series Product Families (software versions 6.19 and earlier)
- G900X, G950, G1000(H), Cirrus Perspective™, and Embraer Prodigy™ systems (GDU software versions 15.09 and earlier)
- G2000, G3000, G5000, and Embraer Prodigy Touch® systems (GDU software versions 6.49 and earlier)

For units affected by this issue, the following procedures have been removed:

Airport ID	Procedure ID	Procedure Type
DTNH	ABGO1D	SID
DTTX	KADR1A	SID
LFTH	BIRG1N	SID
LGKA	YNN1G	SID
LGKR	NIKR2V	SID
LGMK	LETS1E	SID
LGMK	LETS1G	SID
LGZA	ARA1R	SID
LICB	ENEP5A	SID
LICB	ENEP5B	SID
NSFA	AROX1P	SID
RJNA	HOUBA4	SID
UHSS	ODEK2B	STAR

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Approaches with turn between FAF and MAP

The following issue affects **G1000, Embraer Prodigy, Cirrus Perspective, G950 and G900X, G2/3/5000, GTN 6xx/7xx** series product families, **GPS 175, GNX 375, GNC 355** and **4XXW/5XXW series** product families.

Resolution Status

Garmin product family:	Resolved in software version:
G1000 family	GDU v32.50 and later
G2/3/5000	v7.5.0.0 and later

Some approaches with non-RF leg turns between FAF and MAP or between FAF and runway have been removed from the database.

For units affected by this issue, the following procedures have been removed:

Airport ID	Approach	Area
KDCA	R19-Y	USA
KDCA	R33	USA
KEWR	R29-T	USA
KEWR	R29-W	USA
KJFK	R13LZ	USA
KJFK	R13RZ	USA
KLGA	R13-Y	USA
KLGA	R31-X	USA
SKBO	R32LD	SAM
SKBO	R32RD	SAM

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Departures with waypoints prior to the far runway end

The following issue affects the following units (all software versions):

- Garmin Integrated Flight Decks (G900X, G950, G1000(H), G1000 NXi, Cirrus Perspective™, Embraer Prodigy™, G2000, G3000, G5000, Embraer Prodigy Touch®)
- GTN 6XX/7XX Series Product Families
- 4XXW/5XXW Series Product Families
- GPS 175/GNX 375/GNC 355

Some departure procedures with waypoints which occur prior to the far runway end have been removed from the database.

For units affected by this issue, the following procedures have been removed:

Airport ID	Departure ID
ETAD	GERK2X

Airport ID	Departure ID
ETAD	NVO3X
ETAD	PIRE2X
ETAD	TOLE2X

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Runways/Helipads excluded due to more than 10 at an airport

Due to software limitations with handling more than 10 runways or helipads at an airport, some runways or helipads are excluded from the database.

This issue affects the following units:

- 4XXW/5XXW Series (all software versions)
- GTN 6XX/7XX Series Product Families (software versions 6.19 and earlier)
- G900X, G950, G1000(H), Cirrus Perspective™, and Embraer Prodigy™ systems (GDU software versions 15.09 and earlier)
- G2000, G3000, G5000, and Embraer Prodigy Touch® systems (GDU software versions 6.49 and earlier)
- G600/G500/G500H (software versions 7.09 and earlier)

For units affected by this issue, the following runways/helipads have been removed:

Airport ID	Rwy/Pad ID
KNSX	H11
KNSX	H12
KNSX	H13
KNSX	H14
KNSX	H15
KNSX	H16
KNSX	H17
KNSX	H18
KNSX	H19
KNSX	H20
KNSX	H21
KNSX	H22
KNSX	H23
KNSX	H24
KNSX	H25
KNSX	H26
KNSX	H27

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Runways/Helipads excluded due to more than 20 at an airport

Due to software limitations with handling more than 20 runways or helipads at an airport, some runways or helipads are excluded from the database.

This issue affects the following units:

- GTN 6XX/7XX Series Product Families (software versions 6.20 and later)
- GTN 6XX/7XX Xi Series Product Families (all software versions)
- G900X, G950, G1000(H), Cirrus Perspective™, and Embraer Prodigy™ systems (GDU software versions 15.10 and later)
- G950 NXi and G1000 NXi (all software versions)
- G2000, G3000, G5000, and Embraer Prodigy Touch® systems (GDU software versions 6.50 and later)
- G600/G500/G500H (software versions 7.10 and later)
- GPS 175/GNX 375/GNC 355(A) (all software versions)
- GI 275 (all software versions)
- G600 TXi/G500H TXi/G500 TXi/G700 TXi (all software versions)

For units affected by this issue, the following runways/helipads have been removed:

Airport ID	Rwy/Pad ID
KNSX	H21
KNSX	H22
KNSX	H23
KNSX	H24
KNSX	H25
KNSX	H26
KNSX	H27

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Airways excluded due to fixed-radius-turns

This issue affects the following units:

- 4XXW/5XXW Series Product Families(all software versions)
- GTN 6XX/7XX Series Product Families(software versions 6.19 and earlier)
- G900X, G950, G1000(H), Cirrus Perspective™, and Embraer Prodigy™ systems (GDU software versions 15.09 and earlier)
- G2000, G3000, G5000, and Embraer Prodigy Touch® systems (GDU software versions 6.49 and earlier)

For units affected by this issue, the following airways have been removed:

No data affected by this issue this cycle

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Data items removed for quality review

The following issue affects all Garmin products.

Approach excluded for quality review:

Airport ID	Approach
KHDN	R28-M

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Approaches with WAAS vertical functionality disabled

The following issue affects **G1000, Embraer Prodigy™, Cirrus Perspective™, G950 and G900X, G2/3/5000, GTN 6xx/7xx** series product families, **4XXW/5XXW series** product families, GPS 175, GNX 375, GNC 355 and **CNX80/GNS480**.

Airport ID	Approach ID
ETSH	R09
ETSH	R27

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GNS 400/500 items

The following data items are excluded from the **GNS 400/500** (non-WAAS) database:

Approaches excluded due to turns between FAF and MAP:

Airport ID	Approach	Region Name
KEWR	R29-T	United States
KEWR	R29-W	United States
KJFK	R13LZ	United States
KJFK	R13RZ	United States
KLGA	R13-Y	United States
KLGA	R31-X	United States
KPBI	R28RX	United States
SKRG	R19-A	Colombia

STARs excluded due to exceeding allowable maximum of 29 legs:

Airport ID	STAR ID	Region Name
LTAI	ALNY1M	Turkiye
LTAI	ALNY1U	Turkiye
LTAI	TEWH1M	Turkiye
LTAI	TEWH1U	Turkiye
LTAI	TOMB1N	Turkiye
LTAI	TOMB1V	Turkiye
LTAI	VEME1M	Turkiye
LTAI	VEME1U	Turkiye

Procedures excluded for other reasons:

No data affected by this issue this cycle

The additional following data items are excluded from the **GNS 400/500** (non-WAAS) database:

ILSs (Localizers):

Airport ID	ILS ID	Region Name
LOWI	OEJ	Austria

VORs:

VOR ID	Region Name
MFNN	Taiwan

NDBs:

NDB ID	Region Name
PS10	Saudi Arabia

Approaches:

Airport ID	Approach ID	Region Name
LGAD	AML1W	Greece
LGAD	AML1Z	Greece
LGAD	IXON1W	Greece
LGAD	TRL1Z	Greece

Note: RNAV Approaches with waypoints containing non-WGS 84 datums are excluded - See list above.

SIDs:

Airport ID	SID ID	Region Name
LEBL	NATP1K	Spain
LEBL	NATP1P	Spain
LEBL	NATP1S	Spain
LEBL	NATP1T	Spain
LEBL	NATP2A	Spain
LEBL	NATP2B	Spain
LEBL	NATP2D	Spain
LEBL	NATP2F	Spain
LEBL	NATP2J	Spain
LEBL	NATP2R	Spain
LEBL	NATP2Z	Spain
LEBL	NATP3Q	Spain
LEBL	OLOX1A	Spain
LEBL	OLOX1B	Spain
LEBL	OLOX1C	Spain
LEBL	OLOX1D	Spain
LEBL	OLOX1J	Spain

Airport ID	SID ID	Region Name
LEBL	OLOX1K	Spain
LEBL	OLOX1P	Spain
LEBL	OLOX1R	Spain
LEBL	OLOX1S	Spain
LEBL	OLOX1T	Spain
LEBL	OLOX1Z	Spain
LEBL	OLOX2F	Spain
LEBL	OLOX2Q	Spain
LEBL	REBU1J	Spain
LEBL	REBU1P	Spain
LEBL	REBU1R	Spain
LEBL	REBU1S	Spain
LEBL	REBU1T	Spain
LEBL	REBU2Q	Spain
LEBL	SENI1C	Spain
LEBL	SENI2J	Spain
LEBL	SENI2S	Spain
LEBL	SENI2T	Spain
LEBL	SENI3K	Spain
LEBL	SENI4P	Spain
LEBL	SENI5F	Spain
LEBL	SENI5R	Spain
LEBL	SENI6B	Spain
LEBL	SENI6Q	Spain
LEBL	SENI9D	Spain
LEBL	VIBO1J	Spain
LEBL	VIBO1P	Spain
LEBL	VIBO1R	Spain
LEBL	VIBO1S	Spain
LEBL	VIBO1T	Spain
LEBL	VIBO2Q	Spain
LFPG	OLZO6L	France
LFPG	OLZO6Z	France
LFPG	OPAL6A	France
LFPG	OPAL6B	France
LFPG	OPAL6D	France
LFPG	OPAL6E	France
LFPG	OPAL6G	France
LFPG	OPAL6H	France
LFPG	OPAL6K	France
LFPG	OPAL6L	France

Airport ID	SID ID	Region Name
LFPG	PILU6A	France
LFPG	PILU6B	France
LFPG	PILU6D	France
LFPG	PILU6E	France
LFPG	PILU6G	France
LFPG	PILU6H	France
LFPG	PILU6K	France
LFPG	PILU6L	France
LFPG	PILU6Z	France
LFPG	PO6B	France
LFPG	PO6E	France
LFPG	PO6H	France
LFPG	PO6L	France
LFPG	RANU6A	France
LFPG	RANU6B	France
LFPG	RANU6D	France
LFPG	RANU6E	France
LFPG	RANU6G	France
LFPG	RANU6H	France
LFPG	RANU6K	France
LFPG	RANU6L	France
LFPO	OKAS2W	France
LFPO	OKAS2X	France
LFPO	OKAS2Y	France
LFPO	OLZO2E	France
LFPO	OLZO2F	France
LFPO	OLZO2G	France
LFPO	OLZO2H	France
LFPO	OLZO2Q	France
LFPO	OLZO2R	France
LFPO	OLZO2S	France
LFPO	OLZO2W	France
LFPO	OLZO2X	France
LFPO	OLZO2Y	France
LFPO	OPAL2E	France
LFPO	OPAL2F	France
LFPO	OPAL2G	France
LFPO	OPAL2H	France
LFPO	OPAL2Q	France
LFPO	OPAL2R	France
LFPO	OPAL2S	France

Airport ID	SID ID	Region Name
LFPO	OPAL2W	France
LFPO	OPAL2X	France
LFPO	OPAL2Y	France
LFPO	PG2E	France
LFPO	PG2F	France
LFPO	PG2G	France
LFPO	PG2H	France
LFPO	PG2Q	France
LFPO	PG2R	France
LFPO	PG2S	France
LFPO	PG2W	France
LFPO	PG2X	France
LFPO	PG2Y	France
LFPO	PILU2E	France
LFPO	PILU2F	France
LFPO	PILU2G	France
LFPO	PILU2H	France
LFPO	PILU2Q	France
LFPO	PILU2R	France
LFPO	PILU2S	France
LFPO	PILU2W	France
LFPO	PILU2X	France
LFPO	PILU2Y	France
LFPO	RANU2E	France
LFPO	RANU2F	France
LFPO	RANU2G	France
LFPO	RANU2H	France
LFPO	RANU2Q	France
LFPO	RANU2R	France
LFPO	RANU2S	France
LFPO	RANU2W	France
LFPO	RANU2X	France
LFPO	RANU2Y	France
VTBS	PAST1F	Thailand
VTBS	PAST1G	Thailand
VTBS	PAST1H	Thailand
VTBS	PAST1J	Thailand
VTBS	PAST1K	Thailand
VTBS	REGO1E	Thailand
VTBS	REGO1F	Thailand
VTBS	REGO1G	Thailand

Airport ID	SID ID	Region Name
VTBS	REGO1H	Thailand
VTBS	REGO1J	Thailand
VTBS	REGO1K	Thailand
VTBS	REGO1P	Thailand
VTBS	REGO1Q	Thailand
VTBS	REGO1R	Thailand
VTBS	REGO1S	Thailand
VTBS	REGO1T	Thailand
VTBS	REGO1U	Thailand
VTBS	RYN1E	Thailand
VTBS	RYN1F	Thailand
VTBS	RYN1G	Thailand
VTBS	RYN1H	Thailand
VTBS	RYN1J	Thailand
VTBS	RYN1K	Thailand
VTBS	RYN1P	Thailand
VTBS	RYN1Q	Thailand
VTBS	RYN1R	Thailand
VTBS	RYN1S	Thailand
VTBS	RYN1T	Thailand
VTBS	RYN1U	Thailand
VTBS	SELK1E	Thailand
VTBS	SELK1F	Thailand
VTBS	SELK1G	Thailand
VTBS	SELK1H	Thailand
VTBS	SELK1J	Thailand
VTBS	SELK1K	Thailand
VTBS	SELK1P	Thailand
VTBS	SELK1Q	Thailand
VTBS	SELK1R	Thailand
VTBS	SELK1S	Thailand
VTBS	SELK1T	Thailand
VTBS	SELK1U	Thailand
VTBS	SEMB1P	Thailand
VTBS	SEMB1Q	Thailand
VTBS	SEMB1R	Thailand
VTBS	SEMB1S	Thailand
VTBS	SEMB1T	Thailand
VTBS	SEMB1U	Thailand
VTBS	SEMB2E	Thailand
VTBS	SEMB2F	Thailand

Airport ID	SID ID	Region Name
VTBS	SEMB2G	Thailand
VTBS	SEMB2H	Thailand
VTBS	SEMB2J	Thailand
VTBS	SEMB2K	Thailand
VTBS	TARE1E	Thailand
VTBS	TARE1F	Thailand
VTBS	TARE1G	Thailand
VTBS	TARE1H	Thailand
VTBS	TARE1J	Thailand
VTBS	TARE1K	Thailand
VTBS	UGUV1E	Thailand
VTBS	UGUV1F	Thailand
VTBS	UGUV1G	Thailand
VTBS	UGUV1H	Thailand
VTBS	UGUV1J	Thailand
VTBS	UGUV1K	Thailand
VTBS	UKER1E	Thailand
VTBS	UKER1F	Thailand
VTBS	UKER1G	Thailand
VTBS	UKER1H	Thailand
VTBS	UKER1J	Thailand
VTBS	UKER1K	Thailand
VTBS	VANK1E	Thailand
VTBS	VANK1F	Thailand
VTBS	VANK1G	Thailand
VTBS	VANK1H	Thailand
VTBS	VANK1J	Thailand
VTBS	VANK1K	Thailand

Note: RNAV SIDs with waypoints containing non-WGS 84 datums are excluded - See list above.

STARs:

Airport ID	STAR ID	Region Name
VIDP	SP7D	India
VIDP	SP7E	India
VIDP	SP7F	India
VIDP	SP7G	India
VIDP	SP7H	India
VIDP	SP7L	India
VIDP	SP7M	India

Airport ID	STAR ID	Region Name
VIDP	SP7N	India
VIDP	SP7P	India
VIDP	UKAS7A	India
VIDP	UKAS7B	India
VIDP	UKAS7C	India
VIDP	UKAS7D	India
VIDP	UKAS7E	India
VIDP	UKAS7F	India
VIDP	UKAS7G	India
VIDP	UKAS7H	India
VIDP	UPTE7A	India
VIDP	UPTE7B	India
VIDP	UPTE7C	India
VIDP	UPTE7D	India
VIDP	UPTE7E	India
VIDP	UPTE7F	India
VIDP	UPTE7G	India
VIDP	UPTE7H	India
VIDP	UPTE7L	India
VIDP	UPTE7M	India
VIDP	UPTE7N	India
VIDP	UPTE7P	India

Note:RNAV STARs with waypoints containing non-WGS 84 datums are excluded - See list above.

SUAs:

SUA	Region Name
(G)-12	Netherlands
(G)-12A	Netherlands
(G)-12AZ	Netherlands
(G)-12Z	Netherlands
(K)-8	Croatia
(K)-9	Croatia
(P)-1	Croatia
ADIL BESIC (D)-17	Bosnia-Herzegovina
ADULA/GREINA/MEDELS/VALS	Switzerland
ALFA CODE CAZIN (D)-48	Bosnia-Herzegovina
AXALP (R)-6	Switzerland
BALEN	Belgium
BARBARA (D)-15	Bosnia-Herzegovina

SUA	Region Name
BARVAUX / DURBUY	Belgium
BEAURAING	Belgium
BEAUVECHAIN CLIMB-OUT SECTOR 1	Belgium
BEAUVECHAIN CLIMB-OUT SECTOR 2	Belgium
BERTRIX	Belgium
BEVERLO UAS 20 (R)-79C	Belgium
BEVERLO UAS 30 (R)-79D	Belgium
BEVERLO UAS 40 (R)-79E	Belgium
BEVERLO UAS 90 (R)-79A	Belgium
BEVERLO UAS 91 (R)-79B	Belgium
BIERE (R)-5	Switzerland
BINNTAL	Switzerland
CANADA ADIZ	Canada
CECAVA PRNJAVOR (D)-49	Bosnia-Herzegovina
CERFONTAINE AREA ONE	Belgium
CERFONTAINE AREA THREE	Belgium
CEROUX-MOUSTY	Belgium
CHOOZ (P)-38	France
CINEY	Belgium
CORRIDOR E (D)-2	Slovenia
DAMMASTOCK (R)-8A	Switzerland
DE PEEL A (K)-1A	Netherlands
DE PEEL B (K)-1B	Netherlands
DEELEN HOOG (G)-80	Netherlands
DIEST	Belgium
DINANT	Belgium
ETTENHOVENSE POLDER	Belgium
FEITSCH	Luxembourg
GINKEL (G)-83	Netherlands
GLAMOC (D)-19	Bosnia-Herzegovina
GLIDER AREA AMEIDE	Netherlands
GLIDER AREA AMERICA	Netherlands
GLIDER AREA BIHAC	Bosnia-Herzegovina
GLIDER AREA BRASSCHAAT	Belgium
GLIDER AREA DE PEEL	Netherlands
GLIDER AREA DITTINGEN EAST	Switzerland
GLIDER AREA DITTINGEN WEST	Switzerland
GLIDER AREA DOORN	Netherlands
GLIDER AREA ELL	Netherlands
GLIDER AREA GENDT	Netherlands
GLIDER AREA GENK/ZWARTBERG	Belgium

SUA	Region Name
GLIDER AREA GRIENDTSVEEN	Netherlands
GLIDER AREA GROESBEEK	Netherlands
GLIDER AREA HASSELT/KIEWIT	Belgium
GLIDER AREA HOEK VAN HOLLAND	Netherlands
GLIDER AREA INOVEC 1	Slovakia
GLIDER AREA INOVEC 2	Slovakia
GLIDER AREA JAPETIC	Croatia
GLIDER AREA JAVORINA	Slovakia
GLIDER AREA KRONENBERG	Netherlands
GLIDER AREA LA ROCHE	Belgium
GLIDER AREA LE BRASSUS (R)-81T	Switzerland
GLIDER AREA LIC	Croatia
GLIDER AREA MALDEN	Netherlands
GLIDER AREA MALMEDY	Belgium
GLIDER AREA MEDVEDNICA	Croatia
GLIDER AREA MEERKERK	Netherlands
GLIDER AREA NAMUR SUARLEE	Belgium
GLIDER AREA NISTELRODE	Netherlands
GLIDER AREA NOORDELOOS	Netherlands
GLIDER AREA NUMANSDORP	Netherlands
GLIDER AREA PLESIVICA	Croatia
GLIDER AREA PRIJEDOR	Bosnia-Herzegovina
GLIDER AREA SAINT HUBERT	Belgium
GLIDER AREA SAINT-HUBERT	Belgium
GLIDER AREA SCHALKWIJK	Netherlands
GLIDER AREA SCHINVELD	Netherlands
GLIDER AREA SCHINVELD SECTOR B	Netherlands
GLIDER AREA STERKSEL	Netherlands
GLIDER AREA TERHEIJDEN	Netherlands
GLIDER AREA TERLET B	Netherlands
GLIDER AREA TERLET C SOUTH	Netherlands
GLIDER AREA UCKA	Croatia
GLIDER AREA VALLORBE (R)-80T	Switzerland
GLIDER AREA VERVIERS/THEUX	Belgium
GLIDER AREA VLIJMEN	Netherlands
GLIDER AREA VOLKEL	Netherlands
GLIDER AREA WEELDE	Belgium
GLIDER AREA WOENSDRECHT	Netherlands
GOETSENHOVEN	Belgium
GOETSENHOVEN GLIDER AREA	Belgium
GRABEZ (D)-42	Bosnia-Herzegovina

SUA	Region Name
GRENCHE (R)-83	Switzerland
HAN-SUR-LESSE	Belgium
HELI AREA ARDENNES 01	Belgium
HELI AREA ARDENNES 02	Belgium
HELI AREA ARDENNES 03A	Belgium
HELI AREA ARDENNES 03B	Belgium
HELI AREA ARDENNES 04A	Belgium
HELI AREA ARDENNES 04B	Belgium
HELI AREA ARDENNES 05A	Belgium
HELI AREA ARDENNES 05B	Belgium
HELI AREA GEEL	Belgium
HELI AREA HANNUT	Belgium
HELI AREA HERK-DE-STAD	Belgium
HELI AREA SINT-TRUIDEN	Belgium
HELI AREA TURNHOUT	Belgium
HELI AREA WESTERLO	Belgium
HINTERRHEIN (R)-9	Switzerland
HOEVENEN	Belgium
HOFFELT (K)-3	Luxembourg
HONGRIN (R)-7	Switzerland
HOUFFALIZE	Belgium
INOVEC	Slovakia
KLADE DONJI VAKUF (D)-53	Bosnia-Herzegovina
KRSKO (P)-1	Slovenia
KRUISPEEL/ACHTERBROEK (R)-64	Netherlands
KUIFEEND	Belgium
LA ROCHE	Belgium
LAENGENBERG (R)-82	Switzerland
LEOPOLDSBURG	Belgium
LOW FLYING ARDENNES AREA 01	Belgium
LOW FLYING ARDENNES AREA 02	Belgium
LOW FLYING ARDENNES AREA 03	Belgium
LOW FLYING ARDENNES AREA 04	Belgium
LOW FLYING ARDENNES AREA 05	Belgium
LOW FLYING ARDENNES EAST	Belgium
LOW FLYING ARDENNES NORTH	Belgium
LOW FLYING ARDENNES SOUTH	Belgium
LOW FLYING ARDENNES WEST	Belgium
LOW FLYING AREA GOLF FIVE EAST	Belgium
LOW FLYING AREA GOLF FIVE WEST	Belgium
LOW FLYING AREA GOLF FOUR	Belgium

SUA	Region Name
LOW FLYING AREA GOLF ONE	Belgium
LOW FLYING AREA GOLF THREE	Belgium
LOW FLYING AREA GOLF TWO NORTH	Belgium
LOW FLYING AREA GOLF TWO SOUTH	Belgium
LUXEMBOURG (K)-29C	Luxembourg
MAAS/WAAL (G)-81	Netherlands
MAGADAN CTA	Russia
MANJACA DPA3 (D)-34	Bosnia-Herzegovina
MANJACA DPA4 (D)-35	Bosnia-Herzegovina
MANJACA HIGH (R)-3	Bosnia-Herzegovina
MANJACA LOW (R)-4	Bosnia-Herzegovina
MARCHE-EN-FAMENNE	Belgium
MARGETICI (D)-28	Bosnia-Herzegovina
MARGRATEN (K)-23	Netherlands
MEEUWEN-GRUITRODE	Belgium
MERYH (K)-2	Slovenia
MERYH FLIGHT BUFFER ZONE	Slovenia
MERYL (K)-1	Slovenia
MERYL FLIGHT BUFFER ZONE	Slovenia
MICHELAU	Luxembourg
MIL HELI AREA VOLTAC PHG PM	France
MIL LOW LEVEL CORRIDOR	Croatia
MIL LOW LEVEL TRAINING AREA	Croatia
MISIN HAN (K)-3	Bosnia-Herzegovina
MOLSBROEK	Belgium
NAMUR AREA ONE	Belgium
NAMUR AREA TWO	Belgium
ORESANY	Slovakia
OVCAREVO (D)-36	Bosnia-Herzegovina
PARAGLIDING ZONE TRIBALJ	Croatia
PECKOVA	Slovakia
PIVKA-ILIRSKA BISTRICA (D)-1	Slovenia
PIVKA-ILIRSKA BISTRICA (R)-4	Slovenia
PIVKA-ILIRSKA BISTRICA (R)-5	Slovenia
PIVKA-ILIRSKA BISTRICA (R)-6A	Slovenia
PIVKA-ILIRSKA BISTRICA (R)-6B	Slovenia
PIVKA-ILIRSKA BISTRICA (R)-6C	Slovenia
PJE AREA BEX AD	Switzerland
PJE AREA BOSSCHENHOOFD	Netherlands
PJE AREA OUDENBOSCH	Netherlands
PJE AREA RHOON	Netherlands

SUA	Region Name
PJE AREA RIJSBERGEN	Netherlands
PJE AREA SCHIJF	Netherlands
PJE AREA SEMPACH (OBERKIRCH)	Switzerland
PJE AREA SEPPE AIRPORT	Netherlands
PJE AREA SOUTH CERNEY	United Kingdom
PJE AREA SPA	Belgium
PJE AREA UTRECHT	Netherlands
PJE AREA WESTON-ON-THE-GREEN	United Kingdom
PJE AREA WIJK BIJ DUURSTEDE	Netherlands
PORTSMOUTH EXERCISE AREAS	United Kingdom
REEK (R)-62	Netherlands
REGTE HEIDE (G)-58	Netherlands
REYKJAVIK CTA	Iceland
REYKJAVIK CTA OCEANIC AREA B	Iceland
RHENEN/GREBBEBERG (K)-19	Netherlands
RIEL (R)-63	Netherlands
RIS RIJECANI (D)-47	Bosnia-Herzegovina
ROCHEFORT	Belgium
ROERMOND (K)-28	Netherlands
RUCPHENSE HEIDE (K)-57	Netherlands
SAINT-HUBERT	Belgium
SEPT MEUSES	Belgium
SKOLSKO BRDO	Bosnia-Herzegovina
SMALL ARMS RANGE SANDHURST	United Kingdom
SMALL ARMS RANGE SPARSHOLT COL	United Kingdom
SMALL ARMS RANGE TIPNER	United Kingdom
SPECK NORTH (R)-84B	Switzerland
SPECK SOUTH (R)-84A	Switzerland
STAVELOT	Belgium
TEMP AREA BIOPATH	France
TEMP AREA OPAL	France
TEMPORARY VFR RESTRICTED ZONE	Belgium
TRAINING AREA 1C	Slovenia
TRAINING AREA 1D	Slovenia
TRAINING AREA 1E	Slovenia
TRAINING AREA 2C	Slovenia
TRAINING AREA 2D	Slovenia
TRAINING AREA 2E	Slovenia
TURJAK (K)-2	Bosnia-Herzegovina
UPPER WEST ALPHA (G)-31A	Hungary
USELDANGE GLIDER SECTOR NORTH	Luxembourg

SUA	Region Name
VARES (K)-4	Bosnia-Herzegovina
VELIKA GOMILA	Bosnia-Herzegovina
VIELSALM	Belgium
WAMEL (G)-72	Netherlands
WEILER (K)-4	Luxembourg
WEISSMIES	Switzerland
WEST CHARLIE (G)-21C	Hungary
WEST DELTA (G)-21D	Hungary
WEST ECHO (G)-21E	Hungary
ZALTBOMMEL (G)-82	Netherlands
ZOERSEL	Belgium
ZUPSKI RAZBOJ (G)-1	Bosnia-Herzegovina
ZUTENDAAL	Belgium

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