



Planning of navigation infrastructure for the 2nd half-year 2018 and outlook for 2019

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ILS and GBAS facilities

Airport	Runway	Facility	Period of time	Measure	Effect
EDDG	25	ILS	2018	Renewal of ILS transmitter LOC & GP, replacement of middle marker with frequency-paired ILS/DME	Change to ILS approach procedures EDDG, ILS shutdown and flight inspection due to transition, temporary downgraded to CAT I Level 1 (no autoland)
EDDN	28	ILS	2017/2018	Renewal of LOC 28 (Remark: Renewal of GP 28 was already carried out in 2017)	ILS shutdown and flight inspection due to transition, temporary downgraded to CAT I Level 1 (no autoland)
EDDN	10	ILS	2018	Renewal of ILS transmitter LOC & GP	ILS shutdown and flight inspection due to transition, temporary downgraded to CAT I Level 1 (no autoland)
EDDV	09R	ILS	2018	Renewal of ILS transmitter LOC & GP, replacement of middle marker with frequency-paired ILS/DME	Change to ILS approach procedures EDDV, ILS shutdown and flight inspection due to transition, temporary downgraded to CAT I Level 1 (no autoland)
EDDH	15	ILS	2018	Renewal of ILS transmitter LOC & GP	ILS shutdown and flight inspection in 2018 due to transition, temporary downgraded to CAT I Level 1 (no autoland)
EDDH	15	ILS	2019	Replacement of middle marker with frequency-paired ILS/DME	Change to ILS approach procedures EDDH, ILS shutdown and flight inspection due to transition

EDDE	10	ILS	2019	Renewal of ILS transmitter LOC & GP, replacement of middle marker with frequency-paired ILS/DME	Change to ILS approach procedures EDDE, ILS shutdown and flight inspection due to transition, temporary downgraded to CAT I Level 1 (no autoland)
EDDV	27L	ILS	2019	Renewal of ILS transmitter LOC & GP, replacement of middle marker with frequency-paired ILS/DME	Change to ILS approach procedures EDDV, ILS shutdown and flight inspection due to transition, temporary downgraded to CAT I Level 1 (no autoland)
EDDR	27	ILS	2019	Renewal of ILS transmitter LOC & GP	ILS shutdown and flight inspection due to transition, temporary downgraded to CAT I Level 1 (no autoland)
EDDW	09/27	GBAS	2019	Upgrade to CAT II	Change to GLS approach procedures EDDW, GBAS shutdown and flight inspection due to transition

VOR, DME, and NDB facilities:

Facility (Airport)	Ident	Facility	Period of time	Measure	Effect
EDDK	LV	NDB	2018	Refurbishment	Shutdowns and flight inspections due to transition, no change of approach and departure procedures expected
EDDM	MNE	NDB	2018	Refurbishment	Shutdowns and flight inspections due to transition
EDDM	MSE	NDB	2018	Refurbishment	Shutdowns and flight inspections due to transition
EDDW	WSN (neu) WSD (neu)	NDB + DME	2018	Exchange of VOR in NDB, new installation of DME	Shutdowns and flight inspections due to transition, change of IFR procedures expected
Enroute	KPT	DVORDME	2018	Renewal	Shutdowns and flight inspections due to transition
Enroute,	HDO	DVORDME	2018	Renewal	Shutdowns and flight inspections due to transition
Enroute	DHE	VORDME	2018	Renewal	Shutdowns and flight inspections due to transition
Enroute, EDDV	DLE	DVORDME	2018	Shutdown	Establishment of substitute procedures
EDDH	GT	NDB	2018, expected 2019	Refurbishment	Shutdowns and flight inspections due to transition
EDDF	TAU	DVORDME	1st half-year 2019	Installation of temporary (C)VORDME & shutdown of DVORDME (due to renewal)	Change of IFR procedures, temporary change of identifier in TAI (Tanus Interim)
EDDF	TAU	DVORDME	2nd half-year 2019	Renewal	Change of IFR procedures, change of identifier in TAN (Tanus new) expected

Enroute, EDDM	MUN	VORDME	2019	Renewal (Replacement by DVORDME)	Shutdowns and flight inspections due to transition, change of identifier in OTT (Ottersberg)
Enroute, EDDM	WLD	DVORDME	2019	Renewal	Shutdowns and flight inspections due to transition
Enroute, EDDM	COL	DVORDME	2019	Renewal	Shutdowns and flight inspections due to transition
Enroute, EDDV	DLE	DVORDME	2019/2020	Renewal	Change of identifier in SAR (Sarstedt)
EDDR	SR	NDB	2019	Reconstruction of antenna to improve the range	Shutdowns and flight inspections due to transition, change of IFR-procedures expected <u>in 2019</u>
EDDV	HW	NDB	2019	Refurbishment	Shutdowns and flight inspections due to transition
Enroute, EDDM	BAM	DVORDME	2019, expected 2020	Renewal	Shutdowns and flight inspections due to transition