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HRVATSKA KONTROLA
 ZRAČNE PLOVIDBE

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 Služba zrakoplovnog informiranja (AIM/AIS)
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AIP SUP 002/2020

Na snazi od: 27-Feb-2020

Vrijedi do: UFN

Datum izdavanja: 16-Jan-2020

LDSP - Zračna luka SPLIT/Kaštela - Privremena suspenzija RNAV VISUAL RWY23 i objava probnih PBN zrakoplovnih navigacijskih postupaka

Ovim AIP SUP-om privremeno se suspendira RNAV VISUAL RWY23 (LDSP AD 2.24.12 IAC RNAV VISUAL RWY23, WEF 23 MAY 2019) zrakoplovni navigacijski postupak.

Za vrijeme trajanja službene objave ovog AIP SUP-a RNAV VISUAL RWY23 se privremeno zamjenjuje s RNAV VISUAL Z RWY23 zrakoplovnim navigacijskim postupkom, a koji se nalazi u prilogu ovog AIP SUP-a.

Ovim AIP SUP-om dostupni su i probni RNAV VISUAL Y RWY23 (LDSP AD 2.24.12 IAC RNAV VISUAL Y RWY23) te ILS X or LOC X RWY05 (LDSP AD 2.24.12 IAC ILS X or LOC X RWY05) zrakoplovni navigacijski postupci na zračnoj luci SPLIT/Kaštela samo u svrhu provjeravanja iz zraka.

Probni RNAV VISUAL Y RWY23 zrakoplovni navigacijski postupak temelji se na kombinaciji instrumentalnih segmenata prilaženja s LNAV minimumom i s vizualnim segmentom prilaženja. Instrumentalni dio RNAV VISUAL Y RWY23 postupka baziran je na GNSS-u i kodiran do MAPt preletišta, dok je postupak instrumentalnog neuspjelog prilaženja isključivo konvencionalni s uporabom NDB uređaja nakon MAPt preletišta.

Vizualni segment RNAV VISUAL Y RWY23 postupka biti će korišten jedino u uvjetima vizualnog letenja specificiranim na karti prilaženja i posebnim napomenama uz kartu, jedino u odnosu na vizualne reference, te je nadvisivanje prepreka isključivo odgovornost pilota. U vizualnom segmentu predložene putne točke, udaljenosti, ograničenja brzine, smjerovi, te prijedlog mogućeg kodiranja dati su jedino radi bolje situacijske svjesnosti.

Probni ILS X or LOC X RWY05 (RNAV TRANSITION TO ILS OR LOC) zrakoplovni navigacijski postupak temelji se na GNSS početnim segmentima prilaženja do IF preletišta. Nakon IF preletišta konvencionalni segmenti među-prilaženja i završnog prilaženja bazirani su na ILS sustavu, dok se konvencionalni neuspjeli instrumentalni postupak prilaženja bazira na uporabi DME i NDB uređaja.

Instrumentalni zrakoplovni navigacijski postupci RNAV VISUAL Y RWY23 i ILS X or LOC X RWY05 su dostupni i koristiti će se jedino u svrhu izvođenja provjera iz zraka, jedino od strane odobrenih operatora i jedino prema odobrenju kontrole zračnog prometa SPLIT.

Instrumentalni dijelovi zrakoplovnih navigacijskih postupaka temelje se na postojećim ICAO kriterijima, koji su propisani u ICAO Doc. 8168 OPS/611 Vol II (ICAO PANS OPS Vol II).

Sastavni dio ovog AIP SUP-a još su:

- LDSP RNAV VISUAL Z RWY23 – ICAO karta, RNAV tablice kodiranja i popis putnih točaka (*waypoint list*),
- LDSP RNAV VISUAL Y RWY23 – ICAO karta, RNAV tablice kodiranja i popis putnih točaka (*waypoint list*),
- LDSP ILS X or LOC X RWY05 (RNAV TRANSITION TO ILS OR LOC) – ICAO karta, RNAV tablice kodiranja, ADR tablica i popis putnih točaka (*waypoint list*).

Upišite AIP SUP 002/2020 u GEN 0.3

Ref AIP: LDSP AD 2

OVA STRANICA JE NAMJERNO OSTAVLJENA PRAZNA

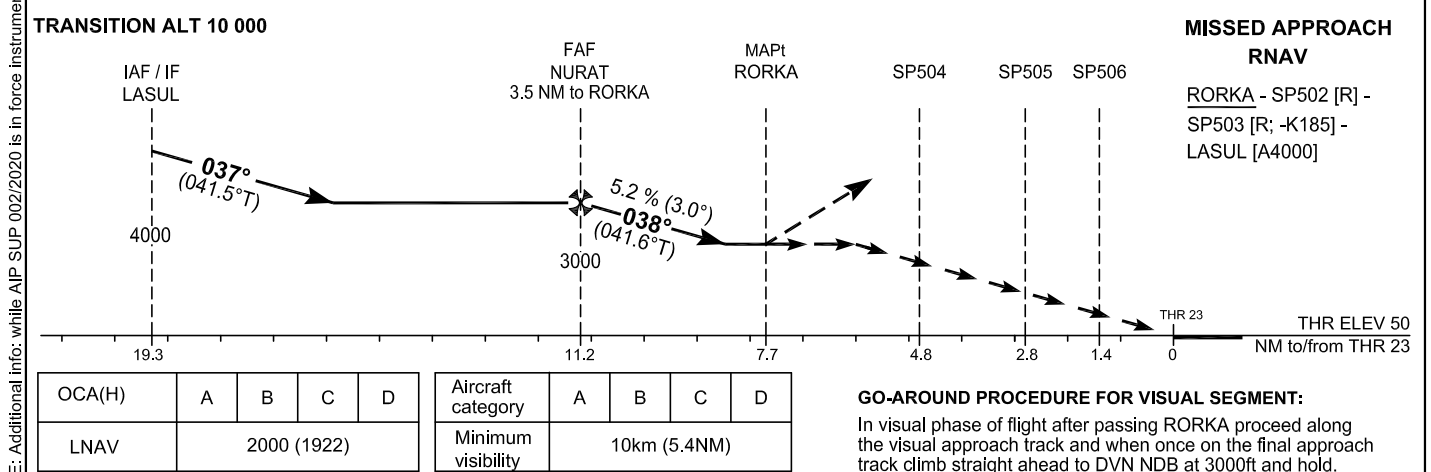
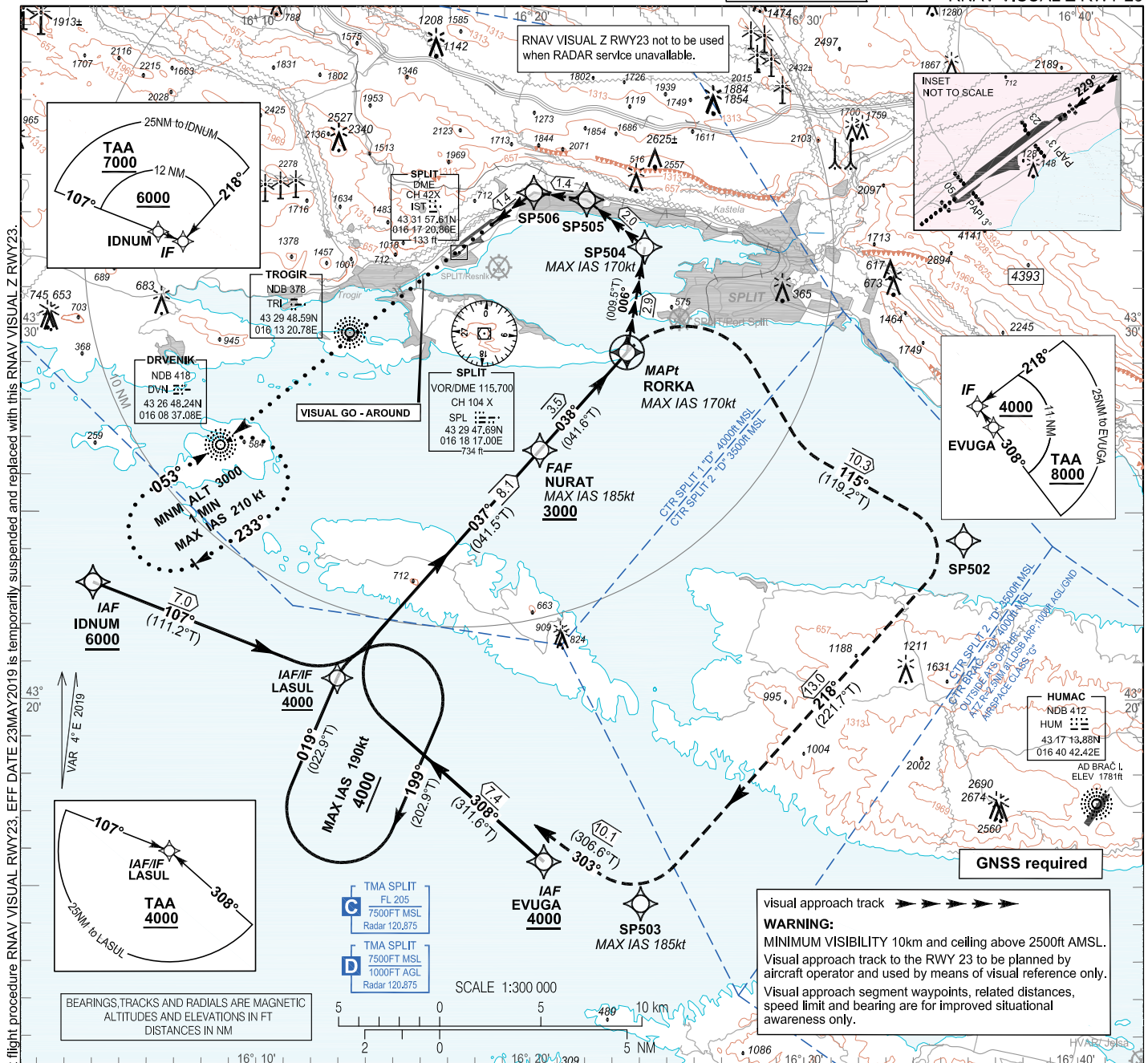
INSTRUMENT APPROACH
CHART - ICAO

AD ELEV 78
HEIGHTS RELATED
TO AD ELEV 78

SPLIT ATIS 125.300
SPLIT RADAR 120.875
SPLIT TOWER 124.675

SPLIT / Kaštela
CROATIA

RNAV VISUAL Z RWY 23



OCA(H)	A	B	C	D	Aircraft category	A	B	C	D
LNAV	2000 (1922)				Minimum visibility	10km (5.4NM)			

GO-AROUND PROCEDURE FOR VISUAL SEGMENT:
In visual phase of flight after passing RORKA proceed along the visual approach track and when once on the final approach track climb straight ahead to DVN NDB at 3000ft and hold.

CHANGE: Additional info: while AIP_SUP_002/2020 is in force instrument flight procedure RNAV VISUAL RWY23, EFF DATE 23MAY2019 is temporarily suspended and replaced with this RNAV VISUAL Z RWY23.

SPLIT / Kaštela

CROATIA

RNAV VISUAL Z RWY 23

LDSP RNAV VISUAL Z RWY23

Proposed tabular description for navigation database coding - INSTRUMENT APPROACH TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	IDNUM	-	-	4.00°E	-	-	+6000	-	-	-	RNP APCH
020	IF	TF	LASUL	-	107° (111.2°T)	4.00°E	7.0	-	+4000	-	-	-	RNP APCH
010	IAF	IF	EVUGA	-	-	4.00°E	-	-	+4000	-	-	-	RNP APCH
020	IF	TF	LASUL	-	308° (311.6°T)	4.00°E	7.4	-	+4000	-	-	-	RNP APCH
010	IAF/IF	IF	LASUL	-	-	4.00°E	-	-	+4000	-	-	-	RNP APCH

Proposed tabular description for navigation database coding - INSTRUMENT FINAL APPROACH TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IF	IF	LASUL	-	-	4.00°E	-	-	+4000	-	-	-	RNP APCH
020	FAF	TF	NURAT	-	037° (041.5°T)	4.00°E	8.1	-	+3000	-185	-	-	RNP APCH
030	MAPt	TF	RORKA	Y	038° (041.6°T)	4.00°E	3.5	-	-	-170	3.0 / -	-	RNP APCH
040		TF	SP502	-	115° (119.2°T)	4.00°E	10.3	-	-	-	-	-	RNP APCH
050		TF	SP503	-	218° (221.7°T)	4.00°E	13.0	R	-	-185	-	-	RNP APCH
060	MAHF	TF	LASUL	-	303° (306.6°T)	4.00°E	10.1	-	4000	-	-	-	RNP APCH
070	MAHF	HM	LASUL	-	019° (022.9°T)	4.00°E	1 MIN	R	4000	-190	-	Holding above 4000 on ATC clearance only	RNAV 1

VISUAL APPROACH SEGMENT (AFTER RORKA) - POSSIBLE CODING

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
-	-	TF	SP504	-	006° (009.5°T)	4.00°E	2.9	-	-	-170	-	-	-
-	-	TF	SP505	-	-	4.00°E	2.0	-	-	-170	-	-	-
-	-	TF	SP506	-	-	4.00°E	1.4	-	-	-170	-	-	-

THR Coordinates

RWY23 433242,33N 0161832,44E

RNAV HOLDING tabular description

Waypoint name	Path Terminator	Inbound course	Leg time/ distance	Turn direction	Minimum altitude	Maximum altitude	Speed limit	Magnetic variation	Remarks	NAV SPEC
		°M (°T)	NM		FT	FT	MAX IAS			
LASUL	HM	019° (022.9°T)	1MIN / -	R	4000	-	190	4°E	-	RNAV 1

Waypoint coordinates

Waypoint name	wgs-84 latitude	wgs-84 longitude
IDNUM	432307.4N	0160358.2E
EVUGA	431541.3N	0162030.1E
LASUL	432035.0N	0161255.7E
NURAT	432640.8N	0162019.6E
RORKA	432918.0N	0162331.0E
SP502	432416.0N	0163551.5E
SP503	431434.2N	0162402.5E

Waypoint coordinates - visual segment

Waypoint name	wgs-84 latitude	wgs-84 longitude
SP504	433207.0N	0162409.9E
SP505	433322.5N	0162201.9E
SP506	433334.0N	0162005.3E

SPECIAL NOTES before practice and operating LDSP RNAV VISUAL Z RWY23 procedure

Requirements for Pilot Flying:

- Obstacle clearance during the visual part of the approach is responsibility of pilot flying.
- After receiving clearance to execute RNAV Visual Z RWY23, pilot flying is expected to:
 - a) Not later than passing RORKA must be in visual reference to terrain with minimum visibility of 10 km (5.4NM) and ceiling above 2500ft AMSL and to continue with visual part of procedure, or
 - b) From RORKA follow the prescribed instrument missed approach procedure for LDSP RNAV VISUAL Z RWY23.
- Visual approach segment waypoints, related distances, speed limit and bearing are for improved situational awareness only.

ATC / pilot communication procedures and requirement:

- When RWY23 is in use, during daytime, RNAV Visual Z RWY23 will be considered as primary approach (announced by ATIS or ATC).
- If ATIS information announces RNAV Visual Z APCH RWY23 to be expected, Operators unable to accept this approach, shall advise Split APP on first contact.

CHANGE: Additional info: while AIP SUP 002/2020 is in force instrument flight procedure RNAV VISUAL RWY23, EFF DATE 23MAY2019 is temporarily suspended and replaced with this RNAV VISUAL Z RWY23.

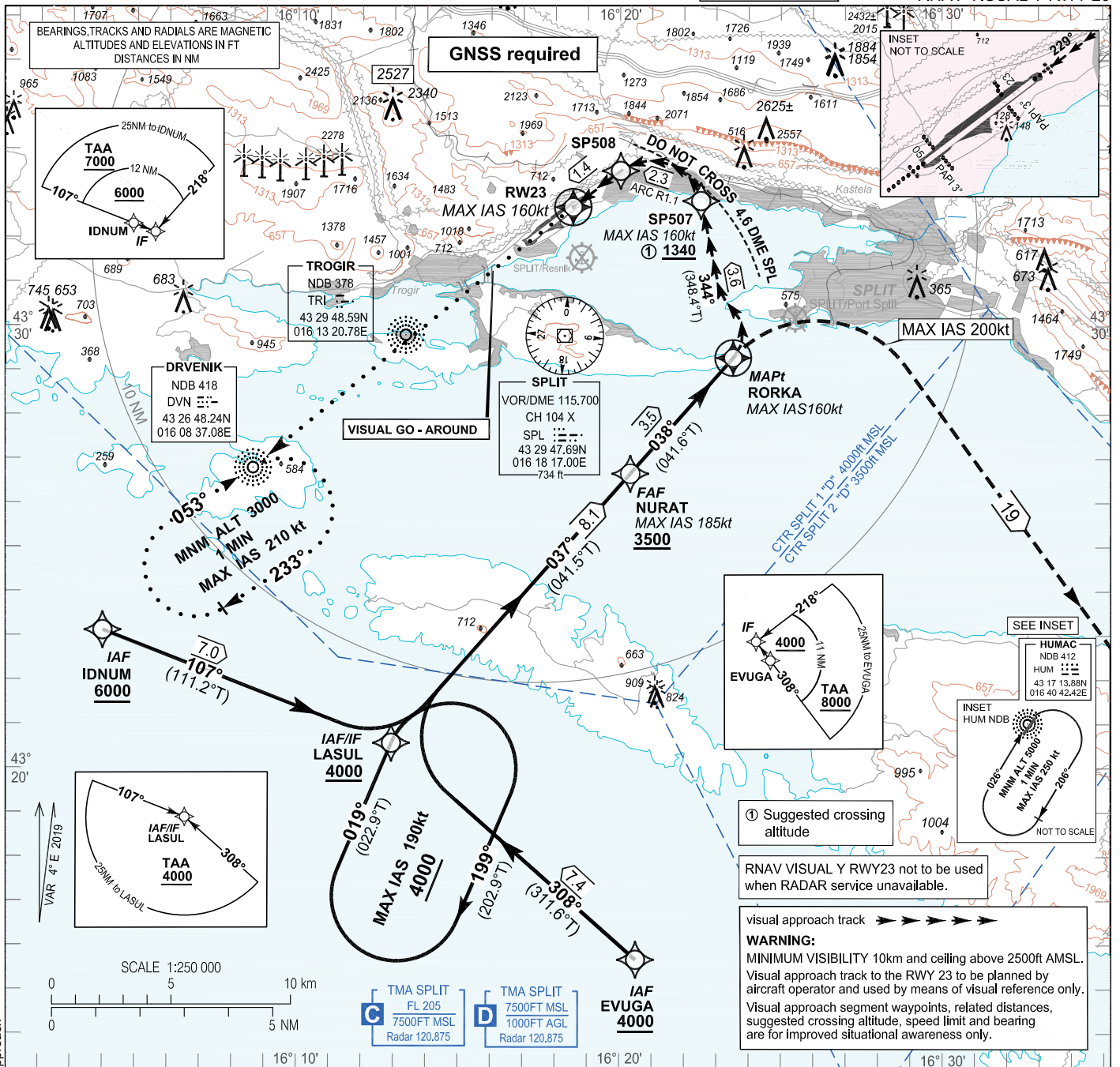
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INSTRUMENT APPROACH
CHART - ICAO

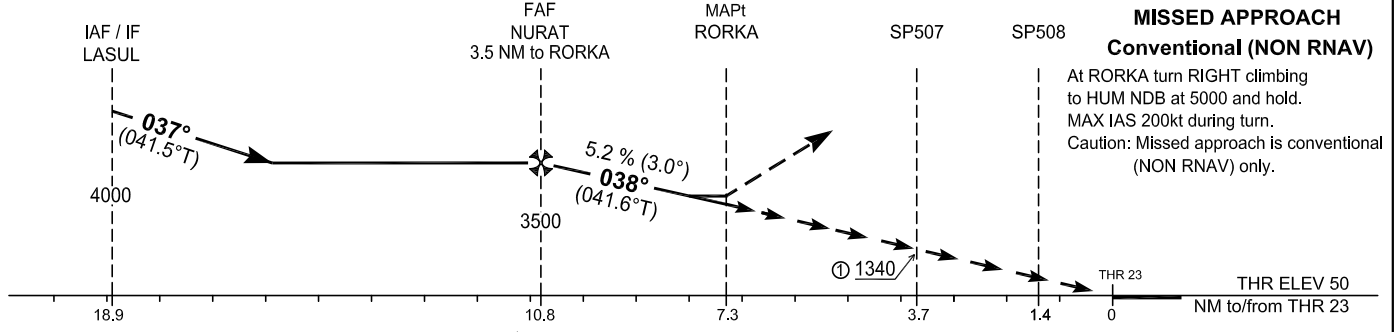
AD ELEV 78
HEIGHTS RELATED
TO AD ELEV 78

SPLIT ATIS 125.300
SPLIT RADAR 120.875
SPLIT TOWER 124.675

SPLIT / Kaštela
CROATIA
RNAV VISUAL Y RWY 23



TRANSITION ALT 10 000



OCA(H)	A	B	C	D	Aircraft category	A	B	C	D
LNAV	2500 (2422)				Minimum visibility	10km (5.4NM)			

NOTES: For daylight operations only
See special notes for Pilot Flying on the third page.

GO-AROUND PROCEDURE FOR VISUAL SEGMENT:
In visual phase of flight after passing RORKA proceed along the visual approach track and when once on the final approach track climb straight ahead to DVN NDB at 3000ft and hold.

MISSED APPROACH Conventional (NON RNAV)
At RORKA turn RIGHT climbing to HUM NDB at 5000 and hold. MAX IAS 200kt during turn. Caution: Missed approach is conventional (NON RNAV) only.

CHANGE: FAF MINM ALT, OCA(H), Visual approach segment, missed approach

SPLIT / Kaštela
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for flight validation purposes only.*

RNAV VISUAL Y RWY 23

LDSP RNAV VISUAL Y RWY23

Proposed tabular description for navigation database coding - INSTRUMENT APPROACH TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	IDNUM	-	-	4.00°E	-	-	+6000	-	-	-	RNP APCH
020	IF	TF	LASUL	-	107° (111.2°T)	4.00°E	7.0	-	+4000	-	-	-	RNP APCH
010	IAF	IF	EVUGA	-	-	4.00°E	-	-	+4000	-	-	-	RNP APCH
020	IF	TF	LASUL	-	308° (311.6°T)	4.00°E	7.4	-	+4000	-	-	-	RNP APCH
010	IAF/IF	IF	LASUL	-	-	4.00°E	-	-	+4000	-	-	-	RNP APCH

Proposed tabular description for navigation database coding - INSTRUMENT FINAL APPROACH TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IF	IF	LASUL	-	-	4.00°E	-	-	+4000	-	-	Missed approach is non-RNAV (see profile view of the charts)	RNP APCH
020	FAF	TF	NURAT	-	037° (041.5°T)	4.00°E	8.1	-	+3500	-185	-		
030	MAPt	TF	RORKA	Y	038° (041.6°T)	4.00°E	3.5	-	-	-160	3.0 / -		

VISUAL APPROACH SEGMENT AND VISUAL GO-AROUND PROCEDURE (AFTER RORKA) - POSSIBLE CODING

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
-	-	TF	SP507	-	344° (348.4°T)	4.00°E	3.6	-	+1340	-160	-	Do not cross 4.6 DME SPL	-
-	-	RF	SP508	-	-	4.00°E	2.3	Left	-	-	-		
-	-	CF	RW23	Y	229° (232.6°T)	4.00°E	1.4	-	-	-160	-	-	-
-	-	DF	DVN	-	-	4.00°E	-	-	3000	-	-	See Note	-

Note: at DVN enter DVN NDB holding at 3000 and hold (see the chart).**ARC Centre Waypoint**

Identifier	Waypoint coordinates	ARC Radius NM	Remarks
SP509	433237.0N 0162058.4E	1.1	-

RNAV HOLDING tabular description

Waypoint name	Path Terminator	Inbound course	Leg time/distance	Turn direction	Minimum altitude	Maximum altitude	Speed limit	Magnetic variation	Remarks	NAV SPEC
		°M (°T)	NM		FT	FT	MAX IAS			
LASUL	HM	019° (022.9°T)	1MIN / -	R	4000	-	190	4°E	-	RNAV 1

Waypoint coordinates

Waypoint name	wgs-84 latitude	wgs-84 longitude
IDNUM	432307.4N	0160358.2E
EVUGA	431541.3N	0162030.1E
LASUL	432035.0N	0161255.7E
NURAT	432640.8N	0162019.6E
RORKA	432918.0N	0162331.0E

Waypoint coordinates - visual segment

Waypoint name	wgs-84 latitude	wgs-84 longitude
SP507	433250.9N	0162230.9E
SP508	433331.6N	0162001.0E
RW23	433242.33N	0161832.44E
DVN	432648.24N	0160837.08E

CHANGE: FAF MNM ALT, OCA(H), Visual approach segment, missed approach

*This IF procedure shall be used
for flight validation purposes only.*

SPLIT / Kaštela
CROATIA
RNAV VISUAL Y RWY 23

SPECIAL NOTES before practice and operating LDSP RNAV VISUAL Y RWY23 procedure

Requirements for Pilot Flying:

- Obstacle clearance during the visual part of the approach is responsibility of pilot flying.
- After receiving clearance to execute RNAV Visual Y RWY23, pilot flying is expected to:
 - a) Not later than passing RORKA must be in visual reference to terrain with minimum visibility of 10 km (5.4NM) and ceiling above 2500ft AMSL and to continue with visual part of procedure, or
 - b) From RORKA follow the prescribed instrument missed approach procedure for LDSP RNAV VISUAL Y RWY23.
- Visual approach segment waypoints, related distances, suggested crossing altitude, speed limit and bearing are for improved situational awareness only.

ATC / pilot communication procedures and requirement:

- When RWY23 is in use, during daytime, RNAV Visual Y RWY23 will be considered as primary approach (announced by ATIS or ATC).
- If ATIS information announces RNAV Visual Y APCH RWY23 to be expected, Operators unable to accept this approach, shall advise Split APP on first contact.

CHANGE: FAF MNM ALT, OCA(H), Visual approach segment, missed approach

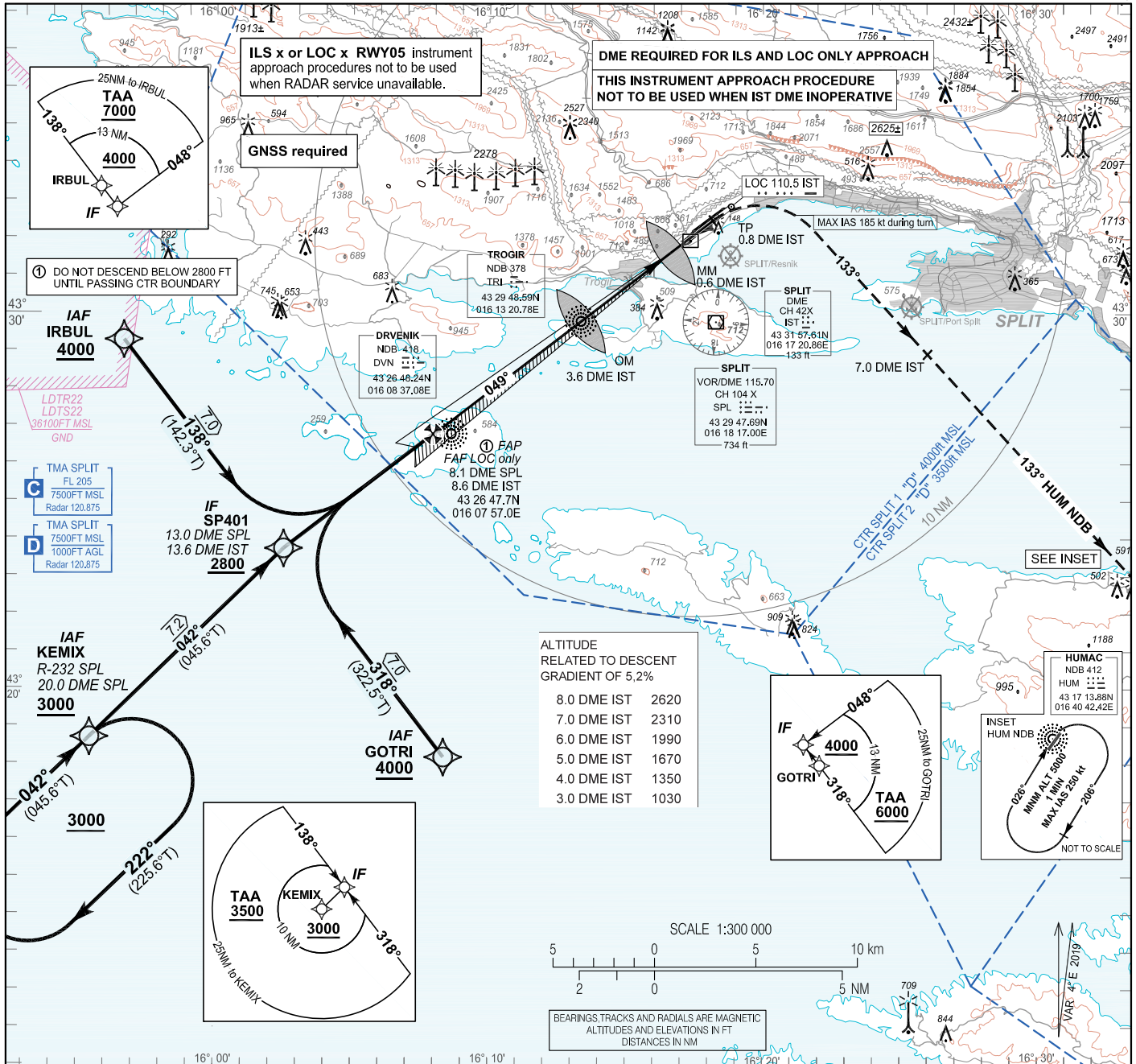
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INSTRUMENT APPROACH
CHART - ICAO

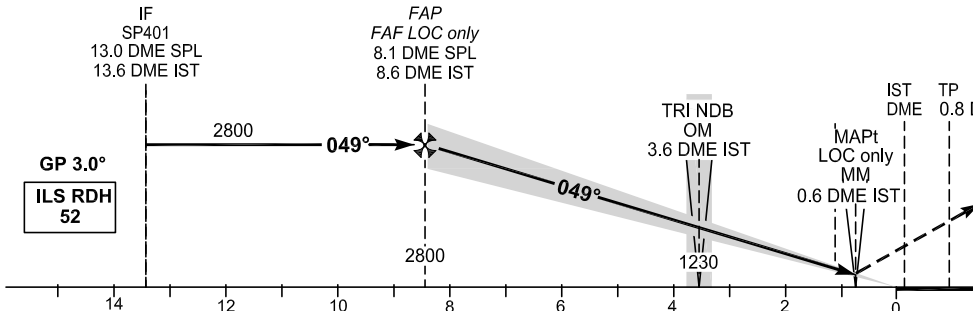
AD ELEV 78
HEIGHTS RELATED
TO THR 05 ELEV 70

SPLIT ATIS 125.300
SPLIT RADAR 120.875
SPLIT TOWER 124.675

SPLIT/ Kaštela
CROATIA
ILS x or LOC x RWY 05
(RNAV 1 to ILS or LOC transition)



TRANSITION ALT 10 000



MISSED APPROACH:
Climb straight ahead. At 0.8 DME IST (after passing THR 05) turn RIGHT climbing on track 133°. From 7.0 DME IST intercept and follow QDM 133° HUM climbing to HUM NDB at 5000 and HOLD. MAX IAS 185 kt during turn.

OCA(H)		A	B	C	D
Straight-in Approach	ILS CAT I press. altim.	420 (350)	430 (360)	440 (370)	450 (380)
	LOC only	870 (800)			

GS(kt)	70	100	120	140	160	180
Rate of descent (ft/min)	369	527	632	737	843	948

CHANGE: New chart

SPLIT / Kaštela

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AERONAUTICAL DATABASE REQUIREMENTS

ILS x or LOC x RWY 05

(RNAV 1 to ILS or LOC transition)

LDSP ILS x or LOC x RWY05 (RNAV 1 to ILS OR LOC transition)

Proposed tabular description for navigation database coding - APPROACH TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	GOTRI	-	-	4.00°E	-	-	+4000	-	-	-	RNAV 1
020	IF	TF	SP401	-	318° (322.5° T)	4.00°E	7.0	-	+2800	-	-	-	
010	IAF	IF	KEMIX	-	-	4.00°E	-	-	+3000	-	-	-	RNAV 1
020	IF	TF	SP401	-	042° (045.6° T)	4.00°E	7.2	-	+2800	-	-	-	
010	IAF	IF	IRBUL	-	-	4.00°E	-	-	+4000	-	-	-	RNAV 1
020	IF	TF	SP401	-	138° (142.3° T)	4.00°E	7.0	-	+2800	-	-	-	

AERONAUTICAL DATABASE REQUIREMENTS

Conventional procedure essential fixes/points

ILS x or LOC x RWY05

LOC only - final approach descent angle: 3.00°

Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IF (SP401)	43 23 44.7N 016 02 30.4E	-	-
FAF LOC only	43 26 47.7N 016 07 57.0E	052.57° (IST LOC)	8.10 DME SPL 8.57 DME IST
SDF LOC only (OM05)	See LDSP AD 2.19	052.57° (IST LOC)	3.62 DME IST
MAPt	See LDSP AD 2.19	052.57° (IST LOC)	0.62 DME IST
TP	43 32 29.8N 016 18 09.9E	052.57° (IST LOC)	0.80 DME IST

RNAV HOLDING tabular description

Waypoint name	Path Terminator	Inbound course °M (°T)	Leg time/distance NM	Turn direction	Minimum altitude FT	Maximum altitude FT	Speed limit MAX IAS	Magnetic variation	Remarks	NAV SPEC
KEMIX	HM	042° (045.6°T)	1MIN / -	R	3000	-	-	4°E	-	RNAV 1

Waypoint coordinates

Waypoint name	WGS-84 Latitude	WGS-84 Longitude
GOTRI	431811.7N	0160821.4E
IRBUL	432917.5N	0155638.4E
KEMIX	431842.4N	0155526.9E
SP401	432344.7N	0160230.4E

CHANGE: New chart