

Status report

S-126 symbols in day/night ECDIS modes

26 November 2019 Wonjin Choi Ocean Forecast Division





Be investigating to portray S-100 symbol in daytime/night ECDIS MODES

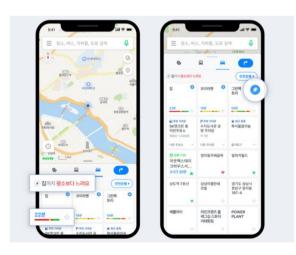


- 1. Need to examine ENCs basemap color in daytime/night ECDIS MODES
- 2. Apply optimization on symbol color

Case 1

Case 2

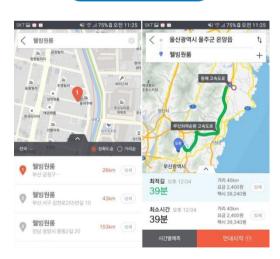
Case3



- 1. Use light toned colors
- 2. Excellent graphic desigin
- 3. Have various functions



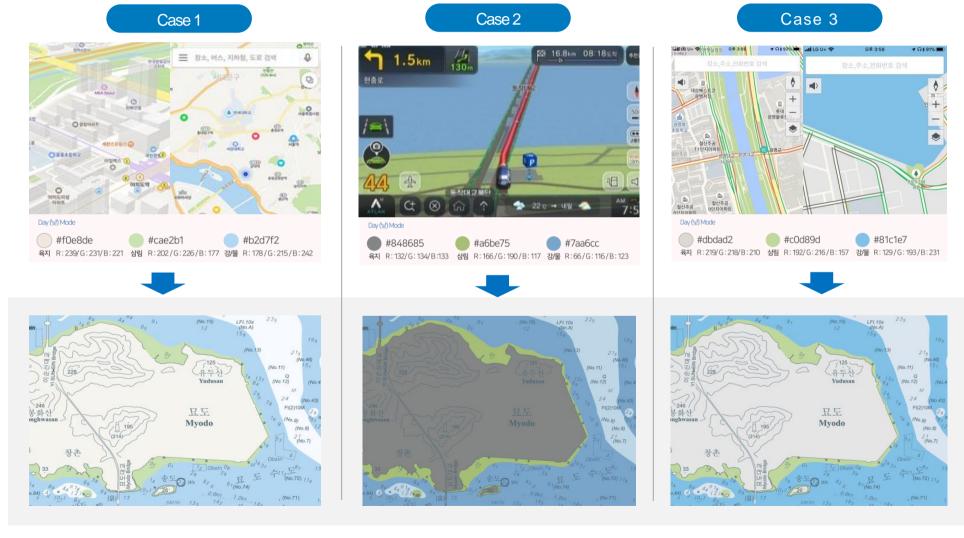
- 1. Use fancy color & 3D effect
- 2. Not appropriate to apply ENCs, but very popular domestically



1. A clear contrast between colors or objects



DAYTIME MODE



 Overall bright, making it difficult to identify

- 1. Not use 3D gradation effect
- 2. Be more dark and dull display
- 1. A compromise between Case 1 & 2
- 2. Clear contrast between objects



NIGHT MODE

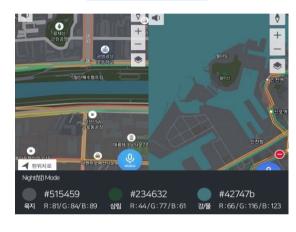
Case 1







Case 3







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- 1. Low brightness, making it difficult to identify
- 1. Good to identify in night mode $% \left(1\right) =\left(1\right) \left(1\right$
- 2. Need to make it clear distinction between land and sea

- 1. Good distinction, bad identification
- 2. Need to control brightness symbols on the sea



IMPROVEMENT PLAN...

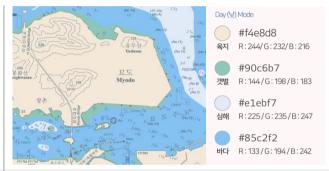
Current Base Map



1. High chromaticity and low symbol identification

Current ECDIS

Daytime_ver.1



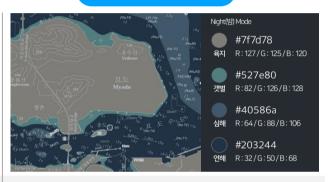
- 1. Overall brighter than current base map
- 2. Difficult to tidal zone distinction

Daytime_ver.2



- 1. Good to identify symbols on the sea
- 2. Need to examine display on the Device

Night_ver.1



- 1. Use deep colors
- 2. Good to distinction between boundaries

Night_ver.2



- 1. Low visual tiredness
- 2. Low symbols identification



IMPROVEMENT PLAN...





IMPROVEMENT PLAN...

심볼명	주간	황혼	야간
- eddylcon_cool			
- eddylcon_warm			
- highTidalcu_danger			
- seaFogIcon_deep			
- seaFogIcon_light			



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