

# PBN implementation in Ukraine

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# Agenda

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**PBN Implementation. Current State**

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**Actions to be done**

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**UkSATSE Navigation Infrastructure  
Development Project for PBN support**

# PBN Implementation. Current State

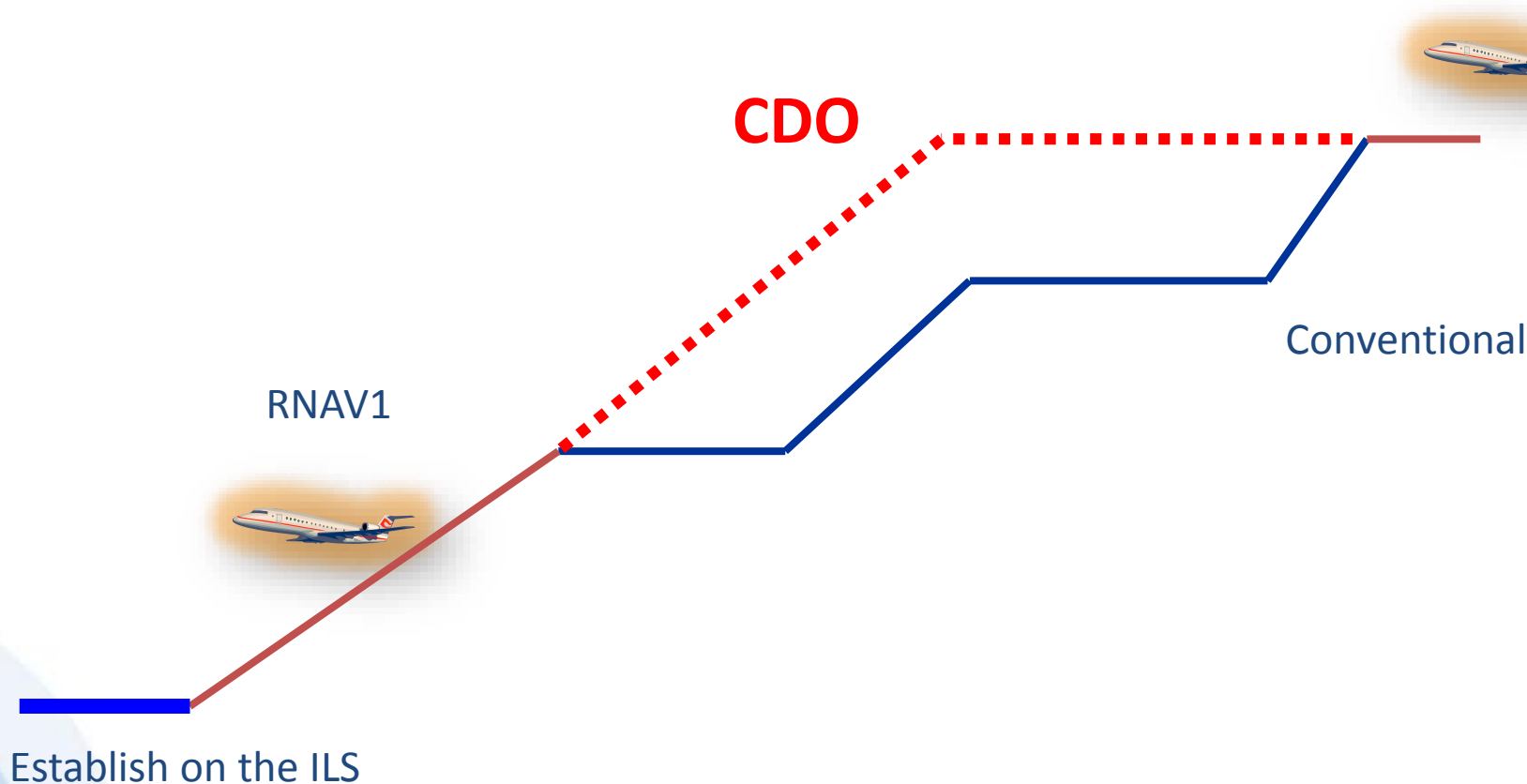
Enroute	
RNAV 5	FL275 and above

Terminal	
Kyiv TMA	AIRAC AMDT 04/12 EFF 31 MAY 2012
Kharkiv TMA	AIRAC AMDT 03/12 EFF 03 MAY 2012
Dnipropetrovs'k TMA	AIRAC AMDT 05/12 EFF 23 AUG 2012
L'viv TMA	AIRAC AMDT 07/12 EFF 13 DEC 2012
Odesa TMA	AIRAC AMDT 01/14 EFF 06 FEB 2014
<b>Donets'k TMA</b>	<b>AIRAC AMDT 04/12 EFF 31 MAY 2012</b>
<b>Simferopol' TMA</b>	<b>AIRAC AMDT 01/14 EFF 06 FEB 2014</b>

# PBN Implementation. Current State

## Continuous Descent Operations



# PBN Implementation. Current State

## Continuous Descent Operations

*Implemented:*

Airport	Date
KYIV (Boryspil`)	Dec 2013
KYIV (Zhuliany)	Nov 2015
Dnipropetrovs`k	Nov 2015
Kharkiv (Osnova)	Nov 2015
L`viv	Nov 2015
Odesa	Nov 2015

# PBN Implementation. Current State

## Free Route Airspace

### *Implemented:*

Above FL 275 – FL 660, from 20:00 to 05:00 UTC.  
Horizontal limits: within individual FRA areas.

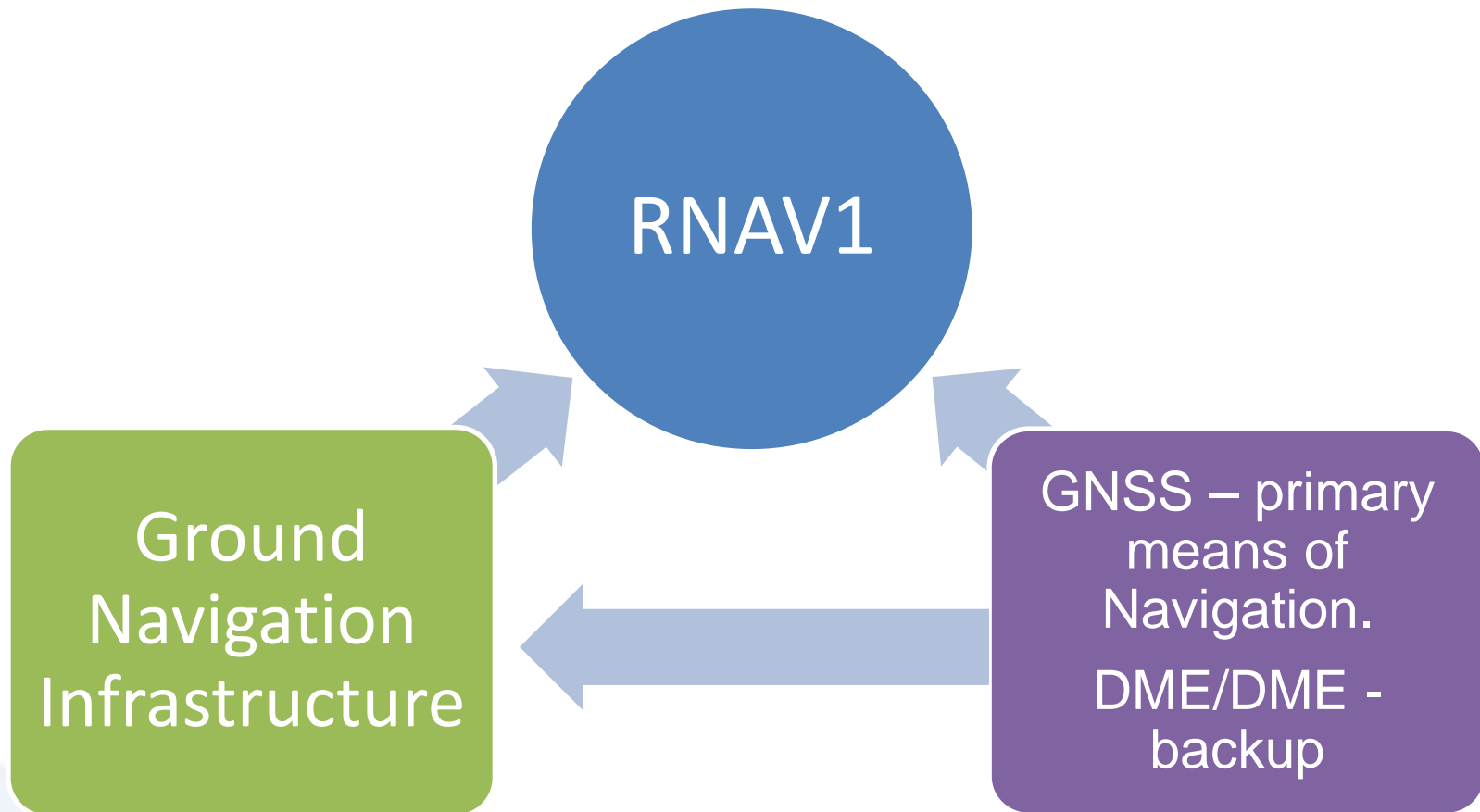
### *Next step:*

Extend this procedures to H24.

# Actions to be done

- Regulation for satellite navigation and relevant activity
- Recognition of GPS as a primary way to navigate
- Recording of GNSS parameters
- Further introduction of PBN, especially for approach phase

# UkSATSE Navigation Infrastructure Development Project for PBN support

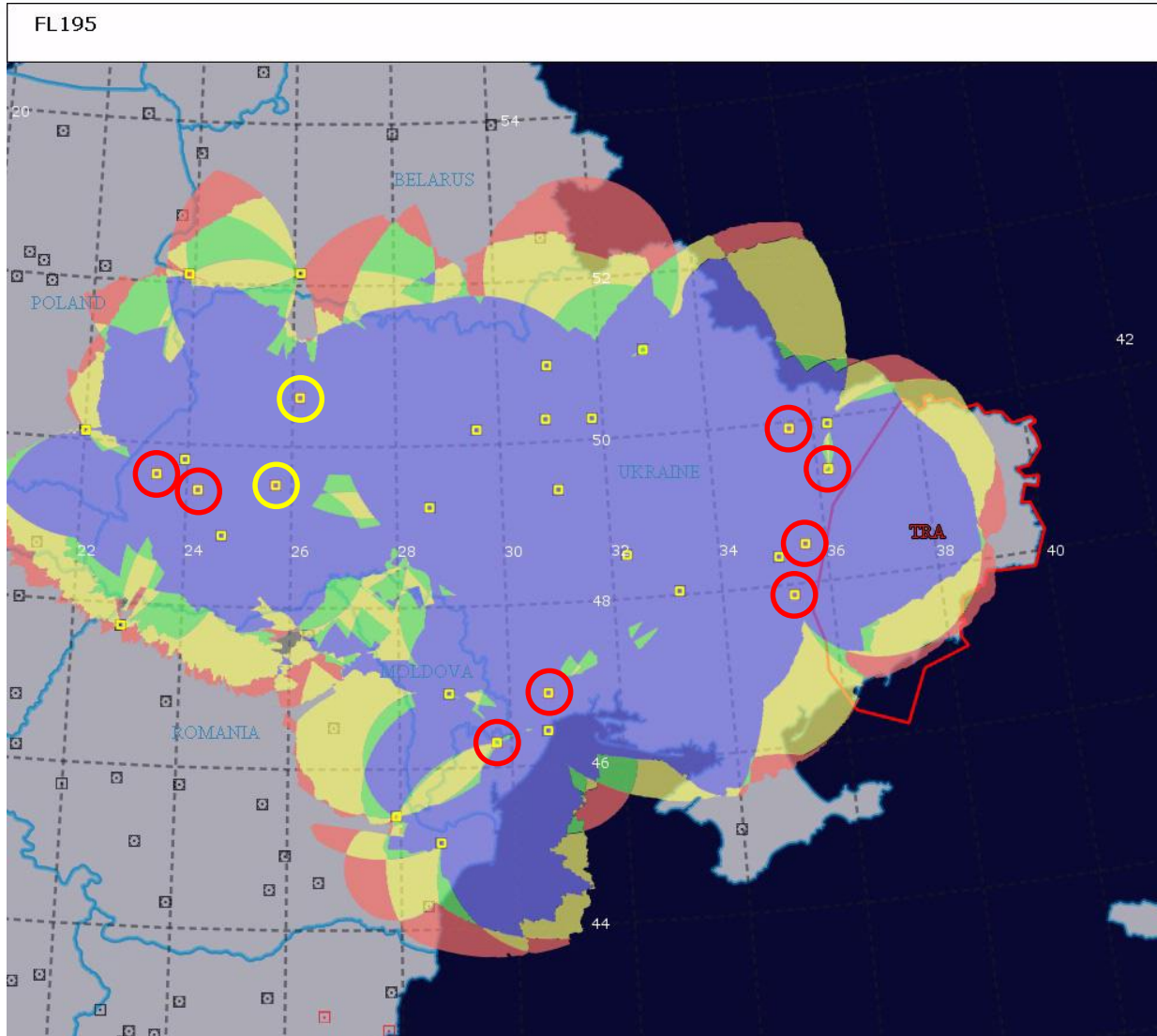






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# UkSATSE Navigation Infrastructure Development Project for PBN support





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# Thank you !