



Evolution of the European CNS infrastructure

WAC. 22 June 2022

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DG MOVE

Enlarged CNS Advisory Group

Mandate:

- Develop recommendations to ensure the best possible **organisation, management and implementation** of a CNS infrastructure, based on the high-level principles endorsed by the High level group on SES implementation (May 2020)



Composition:

- Experts from 7 European organisations
- Enlarged in June 2021 with representatives from **CANSO, IATA/EBAA, ACI, ICB chair and EGHD chair (PSOs)**
- Chaired by DG MOVE

Methodology

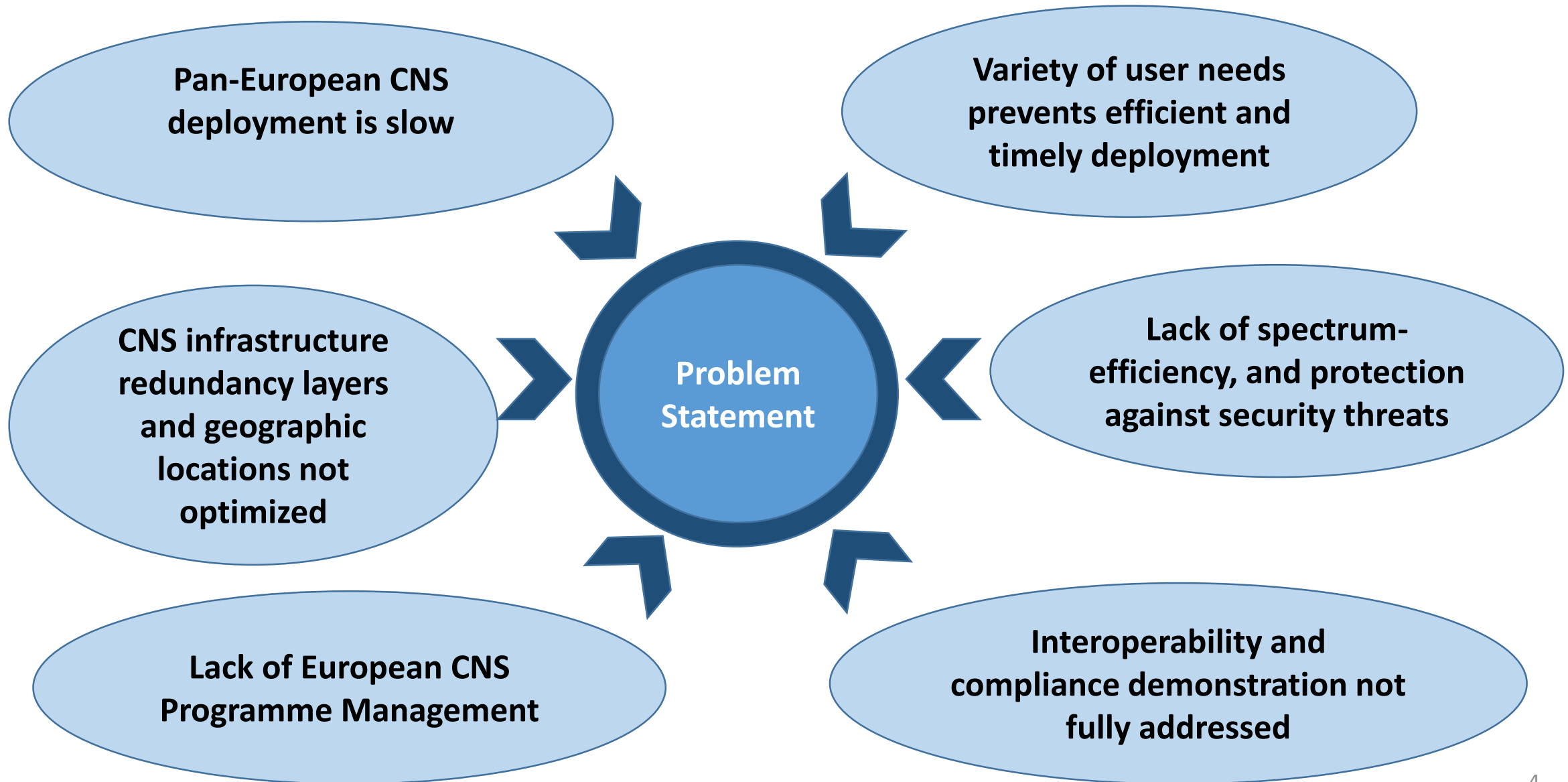
Problem
Statement

12 Recommendations

18 Actions

Consultation with stakeholders at expert level
(CNS workshops)

Problem statement



Recommendations

- ❑ CNS evolution plan with decision milestones.
 - ✓ Cost efficiency: Rationalisation not compromising safety and security
 - ✓ Service oriented and performance based
 - ✓ Integrated CNS+ Spectrum
 - ✓ Reduce green house emissions
 - ✓ Security
 - ✓ Human dimension
 - ✓ Global dimension
 - ✓ Civil Military dimension

- ❑ Demonstrate interoperability of air-ground-space infrastructure before deployment

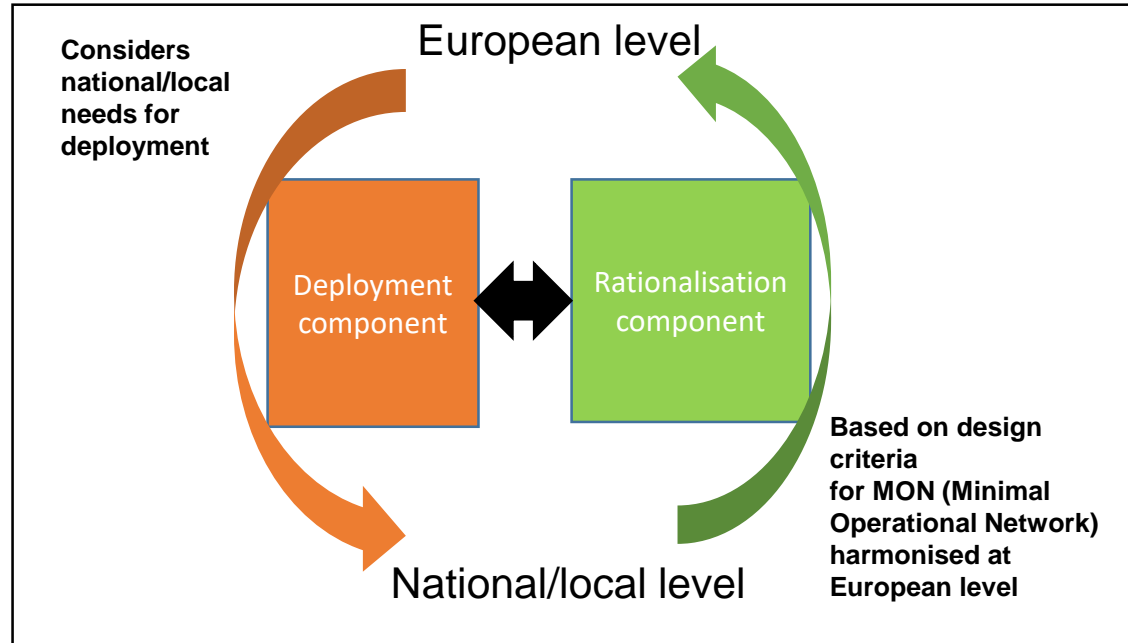
- ❑ Business case and incentives scheme

- ❑ Smarter approach on regulations

- ❑ CNS programme manager

CNS evolution plan

CNS Infrastructure: Airborne + Terrestrial + Satellite infrastructure



COMMUNICATION

- From basic datalink (VDL-2) towards Future Communication Infrastructure enabling advanced datalink
- Towards Internet Protocol backbone and SWIM

NAVIGATION

- Rationalised conventional infrastructure
- Towards PBN and GBAS

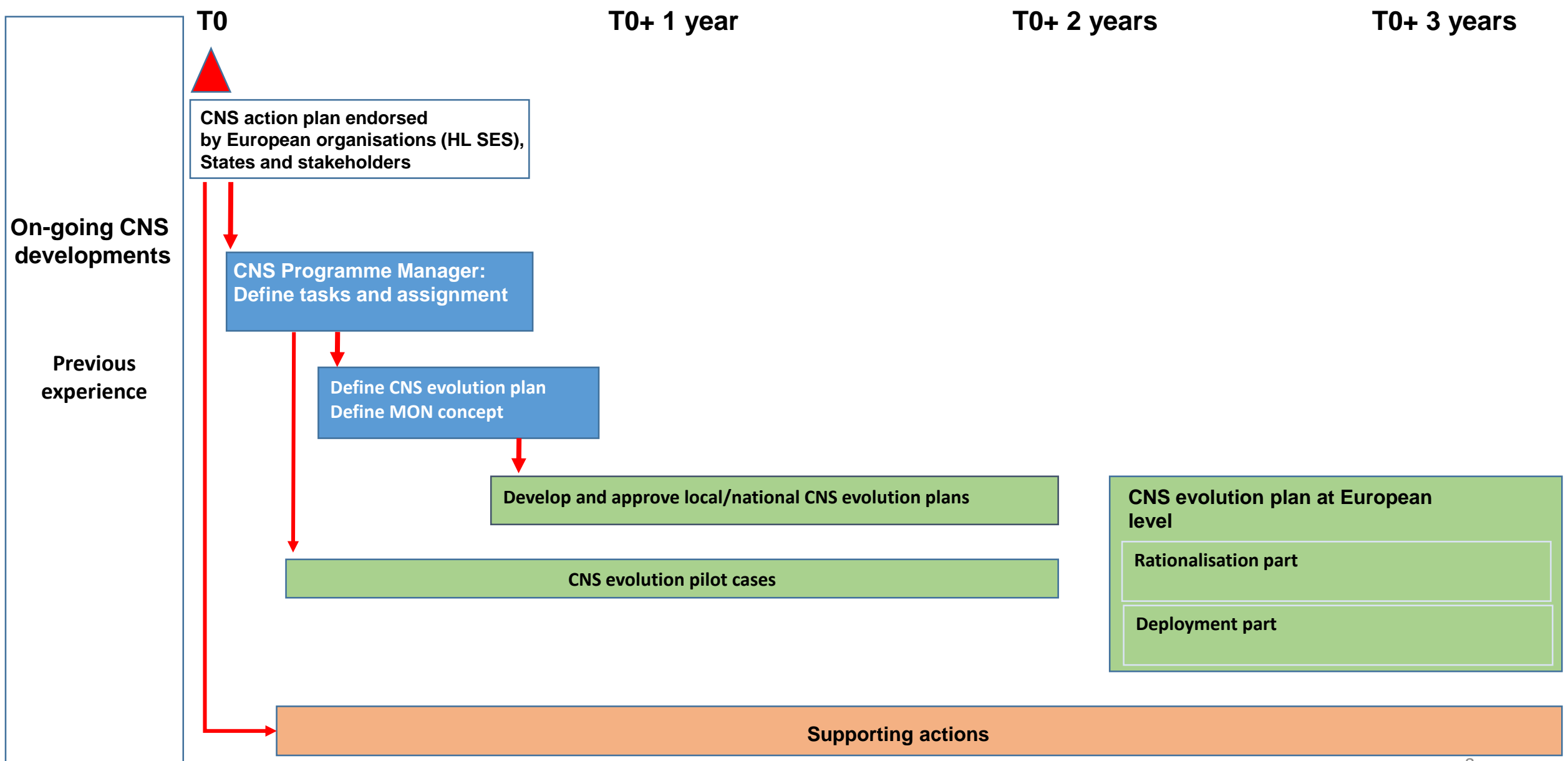
SURVILLANCE

- Towards optimal mix of systems (e.g. radars and ADS B)

From a patchwork of national systems towards a European approach

Back up slides

CNS Action Plan: next steps

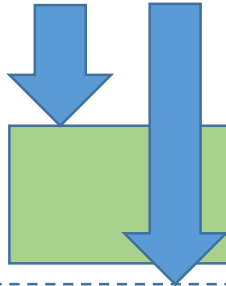


Next steps: Integrate the CNS Action Plan into work streams of all actors.

T0



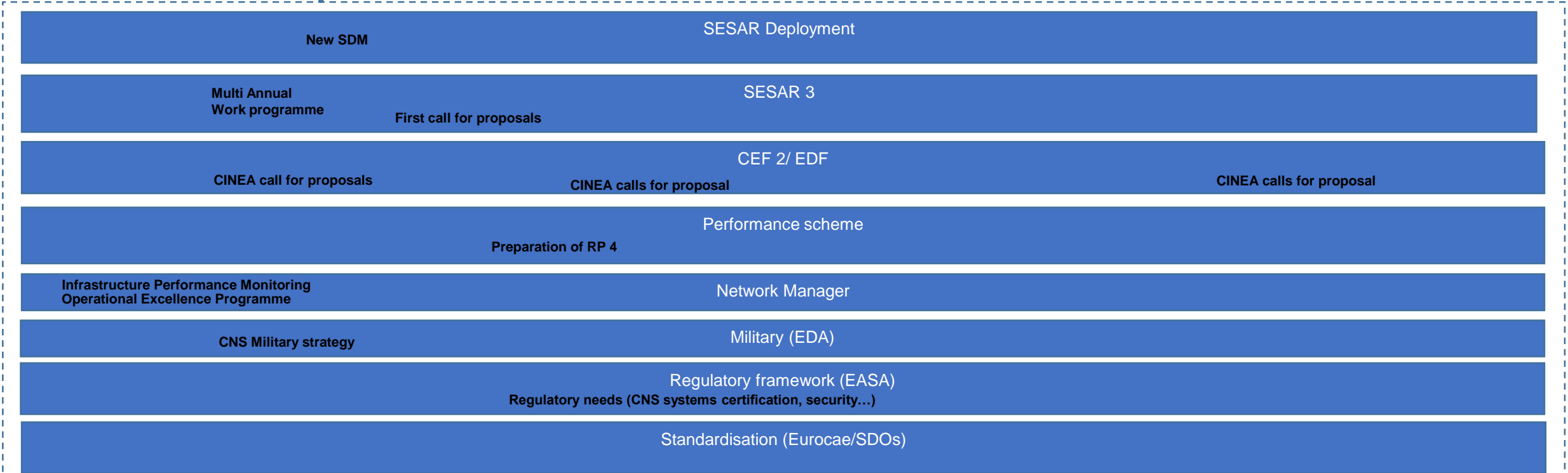
Action plan endorsed
by HL SES, States
and stakeholders



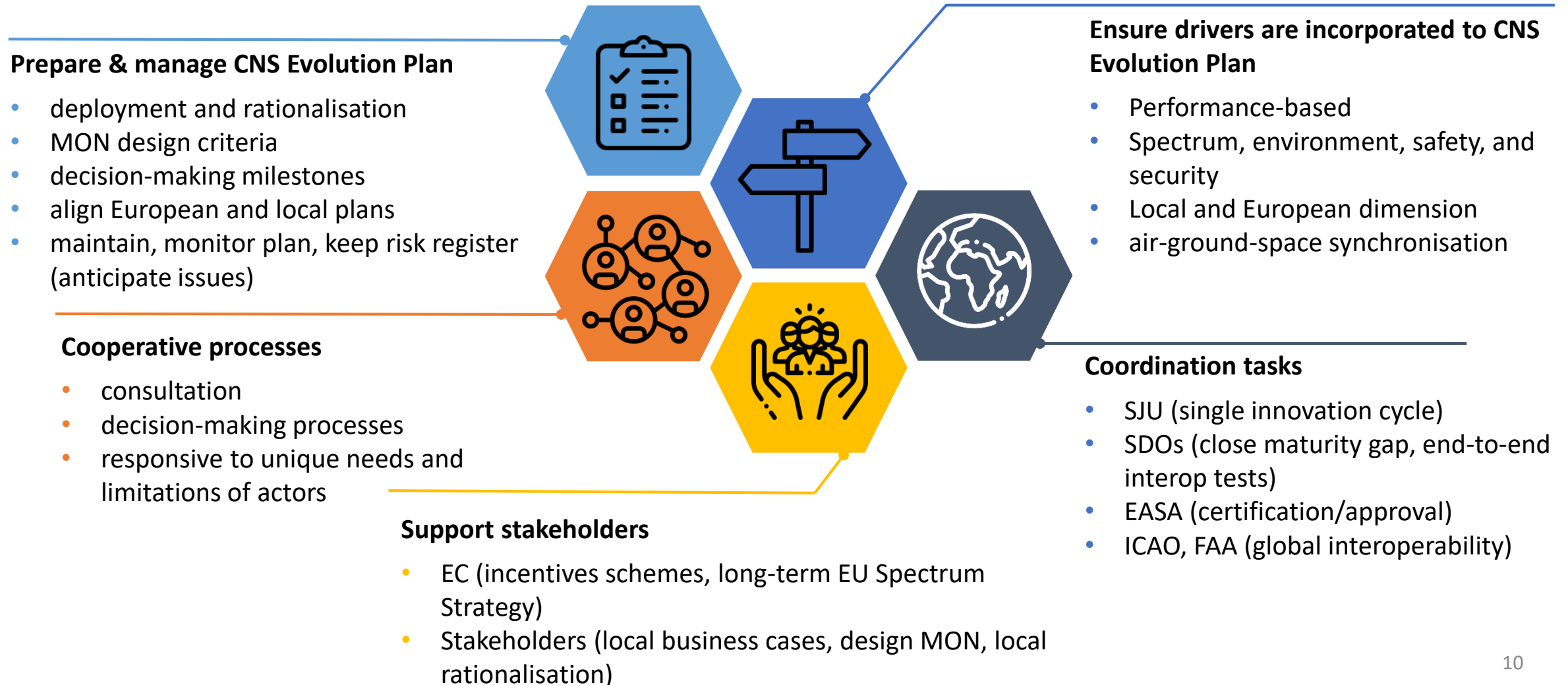
T0+ 1 year

T0+ 2 years

T0+ 3 years



Proposal for tasks of a CNS Programme Manager



CNS workshop on 28 April 2022

❑ A well-attended event: 420 people connected. 520 registered.

❑ Speakers: Experts from enlarged CNS Advisory Group

❑ Appropriateness of the consultation process

86 % agree / 14 % disagree

❑ Support to the CNS Programme Manager function

90 % agree / 10 % disagree

❑ Clear description of the Actions

57 % agree / 43 % disagree

❑ Clear responsibility for the Actions

41 % agree / 59 % disagree

❑ Effectiveness of the Action Plan to make progress in CNS

80 % agree / 20 % disagree