

Good Navigation Status

Report No 1: Draft recommendations for the development of common, harmonized guidelines/standards for Good Navigation Status

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Content overview



- Content of the report
- Recommendations on minimum requirements
- Recommendations on Good Navigation Status
- Conclusion and next steps

01

CONTENT OF THE REPORT





Content

Draft Report No 1: Draft recommendations for the development of common, harmonized guidelines/standards for Good Navigation Status.

- 1) Background information
- 2) General provisions on GNS
- 3) Understanding of the current requirements
- 4) State of work
- 5) The GNS sub-group's understanding of the TEN-T Regulation and GNS
- 6) Future GNS concept discussion
- 7) Draft recommendations
- 8) Next steps

02

MINIMUM REQUIREMENTS





Understanding of the current requirements of the TEN-T regulation

- **Minimum requirements:** stipulated in Art. 15 (3) a
 - Minimum draught not less than 2.50m
 - Minimum height under bridges not less than 5.25m
 - No requirements on availability

- **Good Navigation Status:** stipulated in Art. 15 (3) b
 - No requirements on draught, height and availability



Draft recommendations of the GNS sub-group

Minimum requirements (Art. 15 (3) a)

- **No changes** can be made on parameters which are **stipulated in the TEN-T Regulation** until a further revision of the regulation.
- **Minimum target values** for free flowing and impounded rivers are based on **navigable channel depth** instead of draught
- **Non-deterioration** of targets



Draft recommendations of the GNS sub-group

Minimum requirements (Art. 15 (3) a)

- **Elaboration of appropriate availabilities** for height under bridges and draught for canals as well as navigable channel depth for free-flowing and impounded rivers
- following a **corridor approach** taking into account already existing **international cooperation mechanisms** like river commissions.

03



GOOD NAVIGATION STATUS



Draft recommendations of the GNS sub-group

Good Navigation Status (Art. 15 (3) b)

- The concept of Good Navigation Status is composed of both **hard and soft components**
- More **flexible and adequate provisions** for inland waterways taking into account different characteristics of waterways and climate changes
- **Availability targets** related to navigable channel depth should reflect **statistical variations in hydrological conditions**, especially for free-flowing waterway sections



Draft recommendations of the GNS sub-group

Good Navigation Status (Art. 15 (3) b)

- **Non-deterioration** of underlying assessment criteria
- Adoption of the proposal for **appropriate objectives** for rivers and canals as laid down in the report by the **Correspondence Group** (See also chapter 6.2)



Draft recommendations of the GNS sub-group

Good Navigation Status (Art. 15 (3) b)

- Elaboration of **soft GNS components** as proposed in the study “GNS Guidelines” following **a corridor approach**, taking into account already existing **international cooperation mechanisms** like river commissions.
- Good Navigation Status **not limited to the core network**, consider to widen its scope, possibly including isolated inland waterways, **smaller waterways** (CEMT III and below) as well as **non-EU Member States**.

04



CONCLUSION AND NEXT STEPS



Conclusions

GNS shall be implemented by applying the following principles:

- Availability targets for navigable channel depth and bridge clearance are determined at corridor-level or within existing international cooperation mechanisms
- Within a corridor, if necessary for hydro-morphological reasons, application of different availability targets
- Applying non-deterioration of requirements for underlying GNS assessment criteria
- Following objectives for rivers and canals as laid down in the report by the Correspondence Group



Next steps

- GNS sub-group:
 - Continue its work by elaborating proposals on soft GNS components
 - Draft proposals for a revision of the TEN-T Regulation

- International cooperation mechanisms:
Elaborate
 - appropriate availabilities for the minimum requirements and
 - reference water levelsif not yet implemented

THANK YOU FOR YOUR ATTENTION



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Draft recommendations

Proposal of the Correspondence Group for GNS on free-flowing and impounded river sections

| Good Navigation Status | Navigable channel depth | | | Bridge clearance | | | Locks and movable bridges |
|------------------------|-------------------------|-------------------------------------------|-------------------------|---------------------------------------------------------------------|------------------------------------|-----------------|-----------------------------------|
| | Navigable channel depth | Reference water level ^{*6} | Availability | Headroom ^{*5} recommended for standard container transport | Reference water level ⁴ | Availability | Availability ^{*2} |
| | [m] | | [days per year] | [m] | | [days per year] | [days per year] |
| GNS A | ≥ 2.80 | Hydrostatic/ Reference low water level | 343 ^{*3} | ≥ 9.10 | Highest navigable water level | 360 | 365 (24/7) |
| GNS B | ≥ 2.50 | Hydrostatic/ Reference low water level | 343 | ≥ 7.0 | Highest navigable water level | 360 | 365 (24/7 upon request) |
| GNS C | ≥ 2.50 | Hydrostatic/ Reference low water level | [300/290] ^{*7} | ≥ 5.25 | Highest navigable water level | 360 | 365 (minimum 16 hours per day) |



Draft recommendations

Proposal of the Correspondence Group for GNS on canals

| Good Navigation Status | Draught | | | Bridge clearance | | | Locks and movable bridges |
|------------------------|---------|------------------------------|----------------------------|------------------------------------------------------------------|-------------------------------|----------------------------|--------------------------------|
| | Draught | Reference water level | Availability ^{*2} | Headroom ^{*5} required for standard container transport | Reference water level | Availability ^{*3} | Availability ^{*4} |
| | [m] | | [days] | [m] | | [days per year] | [days per year] |
| GNS A | ≥ 3.0 | Lowest operating water level | 360 | ≥ 9.10 | Highest operating water level | 365 | 365 (24/7) |
| GNS B | ≥ 2.80 | Lowest operating water level | 360 | ≥ 7.0 | Highest operating water level | 365 | 365 (24/7 upon request) |
| GNS C | ≥ 2.50 | Lowest operating water level | 360 | ≥ 5.25 | Highest operating water level | 365 | 365 (minimum 16 hours per day) |



Lessons learned at the Rhine

