



**RAP**<sup>®</sup>

REGULATORY  
ASSISTANCE PROJECT

Juni 2025

# Regulatory framework to realise modelling results

Energy Innovation Summit

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# About RAP

Regulatory Assistance Project (RAP)<sup>®</sup> is an independent, global NGO advancing policy innovation and thought leadership within the energy community.

Learn more about our work at [raponline.org](https://raponline.org)

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# Regulatory requirements

- Transparency
- Level playing field
- Cross sectoral approach
- Governance of planning

# Regulatory requirements

- Transparency
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- Cross sectoral approach
- Independency of planning

# Navigating for Grid the GB E

The GB electricity market  
Power by 2030, as an  
applications threatens

December 19th, 2024

Regulatory Assistance Project (RAP)®

## Great Britain closes connection

Neso says 'short pause'  
green projects, as unf



# From Backlog to Breakthrough: Managing Connection Queues in Distribution Networks

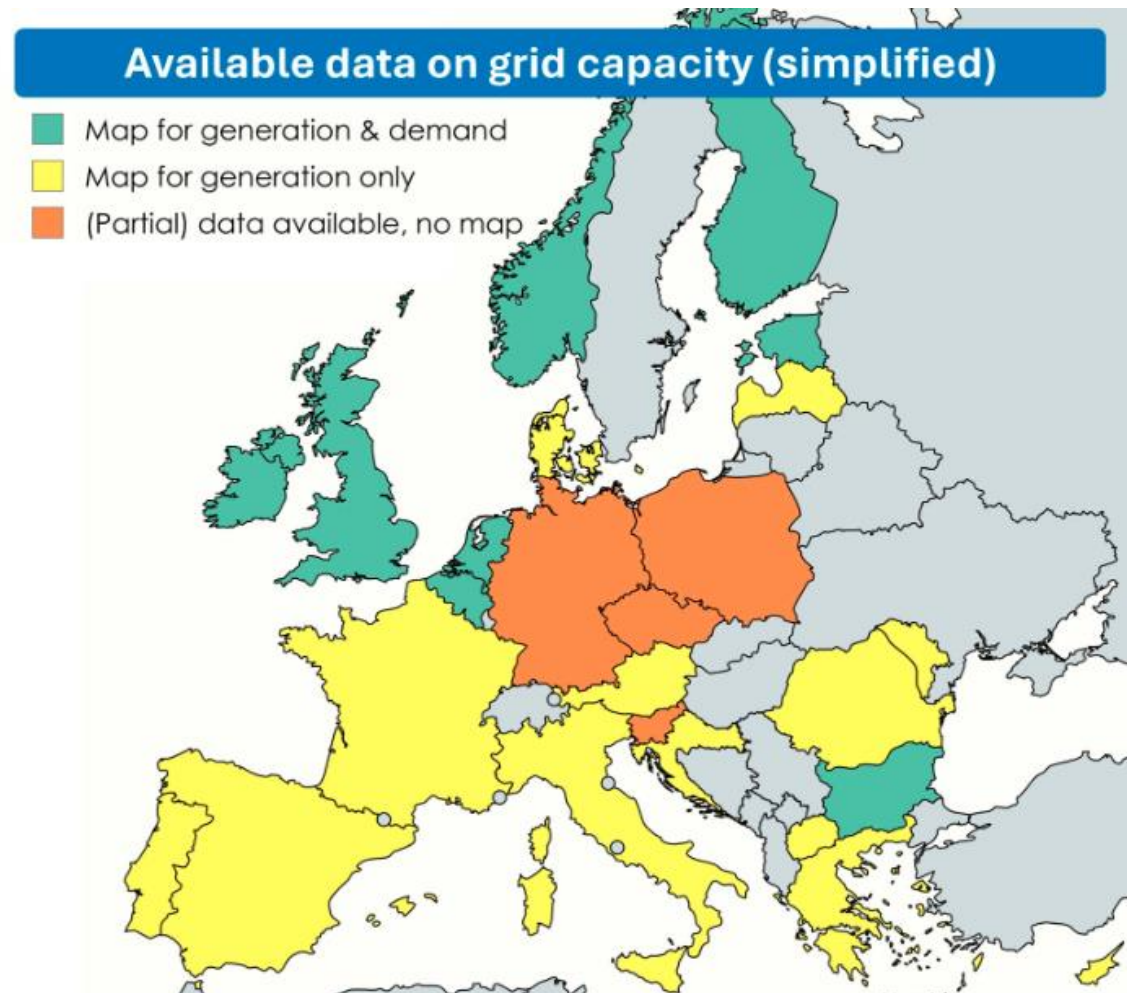
Eurelectric position paper

June 2025

# Costs Down



# Big lack of data regulated infrastructures



Source: [Maarten Staats](#)

# Example: Grid capacity maps & one-shop-stop



Home Data Tools & reports Our strategies Help

## Network Infrastructure and Usage Map (NIUM)

Map view showing the Network Infrastructure, Unutilised Capacity and Usage (System Visualisation Interface). Use the filters on the right hand side to toggle layers on/off (you may need to zoom in to see the details).

Current Map User Guide



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# La vie du nucléaire après l'ARENH

ofgem

About us

Information for  
EXPERTISE

WATSON FARLEY & WILLIAMS

## Introducing a allowance in

Consultation

Upcoming

Open

Closed (awaiting)

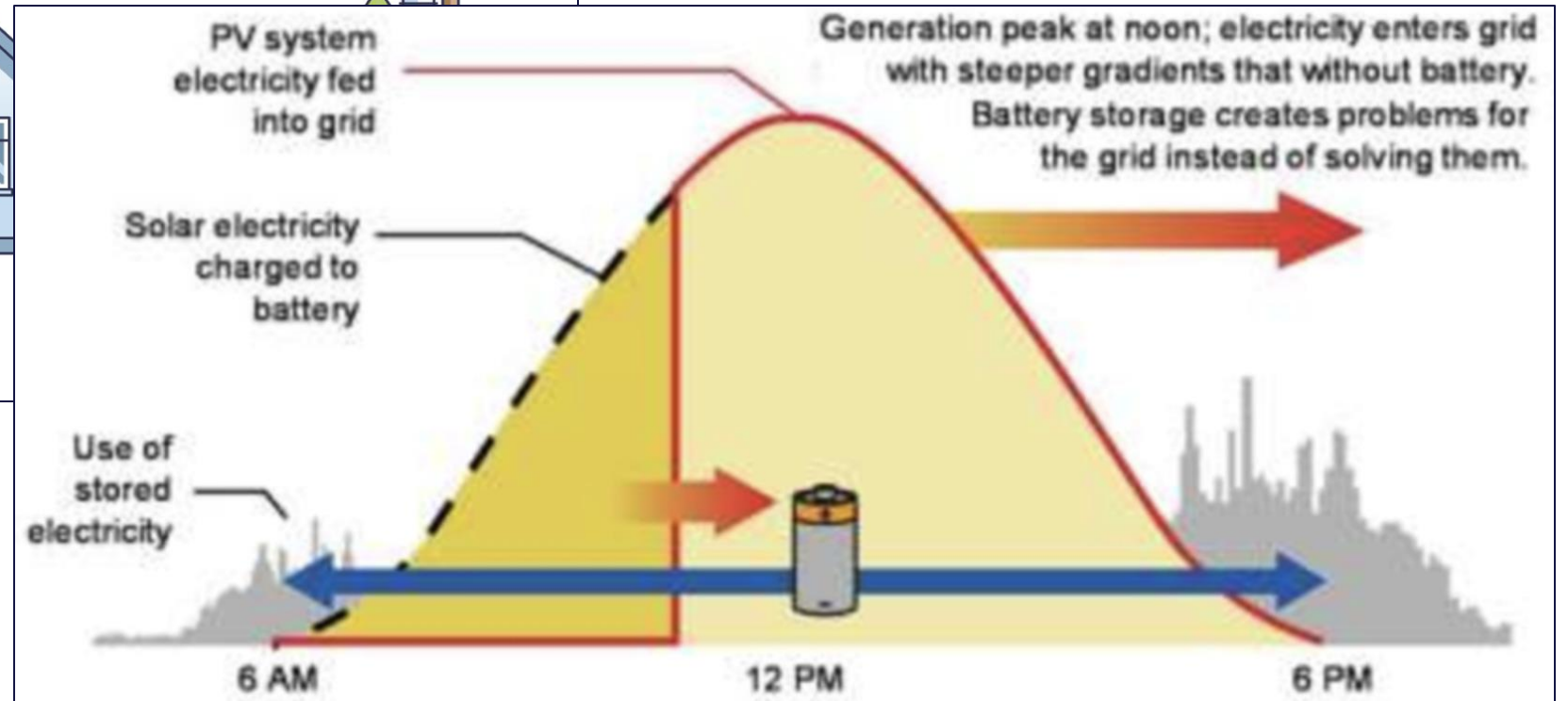
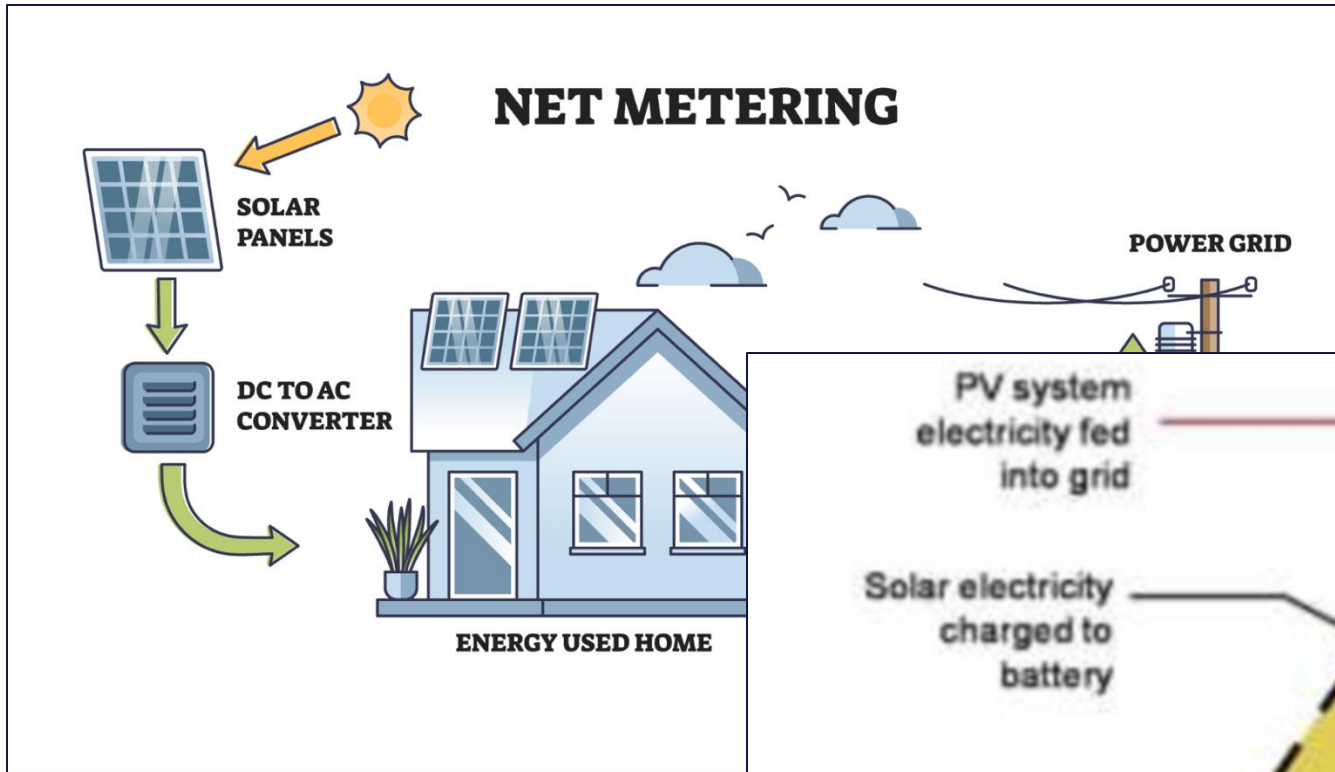
ARTICLE

## HEAVY INDUSTRIES GO LIGHT: GRID FEE REFORMS – DANGER ALERT FOR GERMAN HEAVY INDUSTRY?

14 OCTOBER 2024

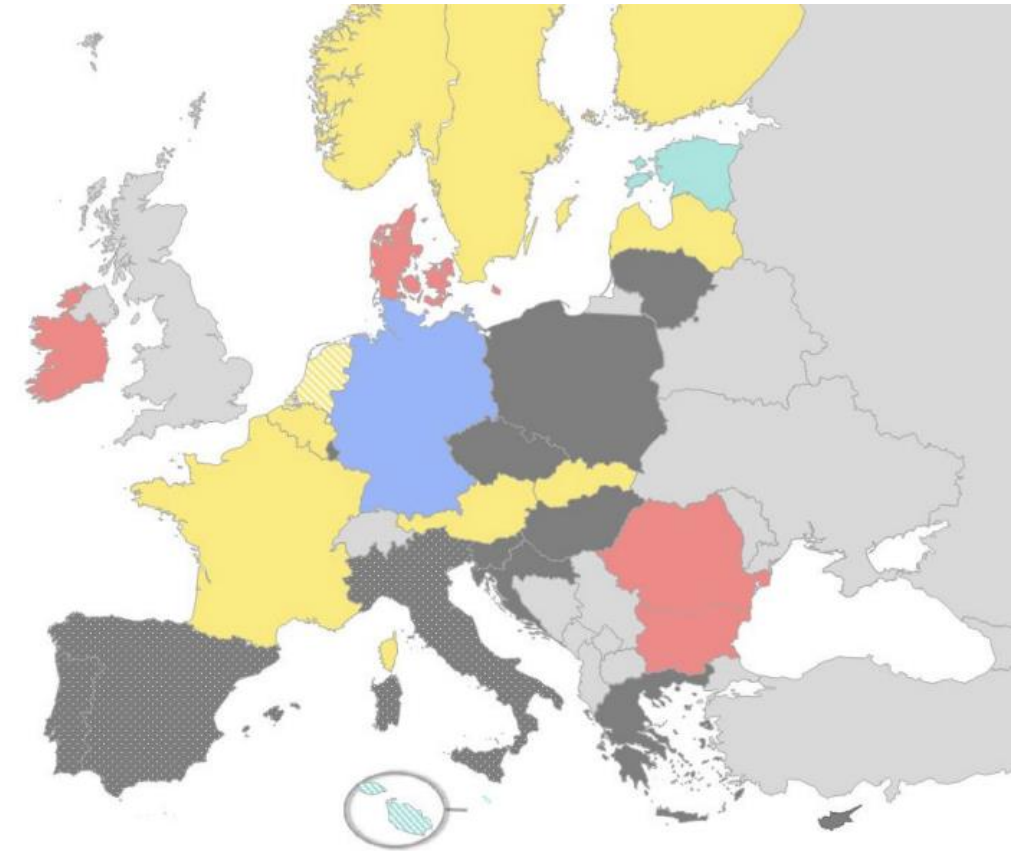
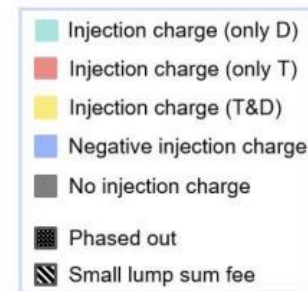
In July 2024, Germany's Federal Network Agency (Bundesnetzagentur – "BNetzA") published a key issues paper in which it further develops the regulations on grid fees for industrial customers. What might this mean for the industry?

STATUS QUO AND CURRENT CHALLENGES



# Level playing field within common market

- Demand vs. supply
- ➔ Image shows how injection is charged for use of networks
- Households vs. industry
- Old vs. new
- Net energy metering



Source: [ACER](#)

# Harmonisation of network fee methodologies

- Monitoring carried out by ACER
- Recommendations / guidelines from EU COM
- Implementation by NRA

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# Network development plans

Map service with data from the network development plans, refers to 2025-2034

Energy Market Inspectorate, last amended 28 May 2025

#Gas #Grid

## Clean Energy Wire

The German government has kickstart country's gas distribution network: heating for consumers and operators needed in their current form and scale

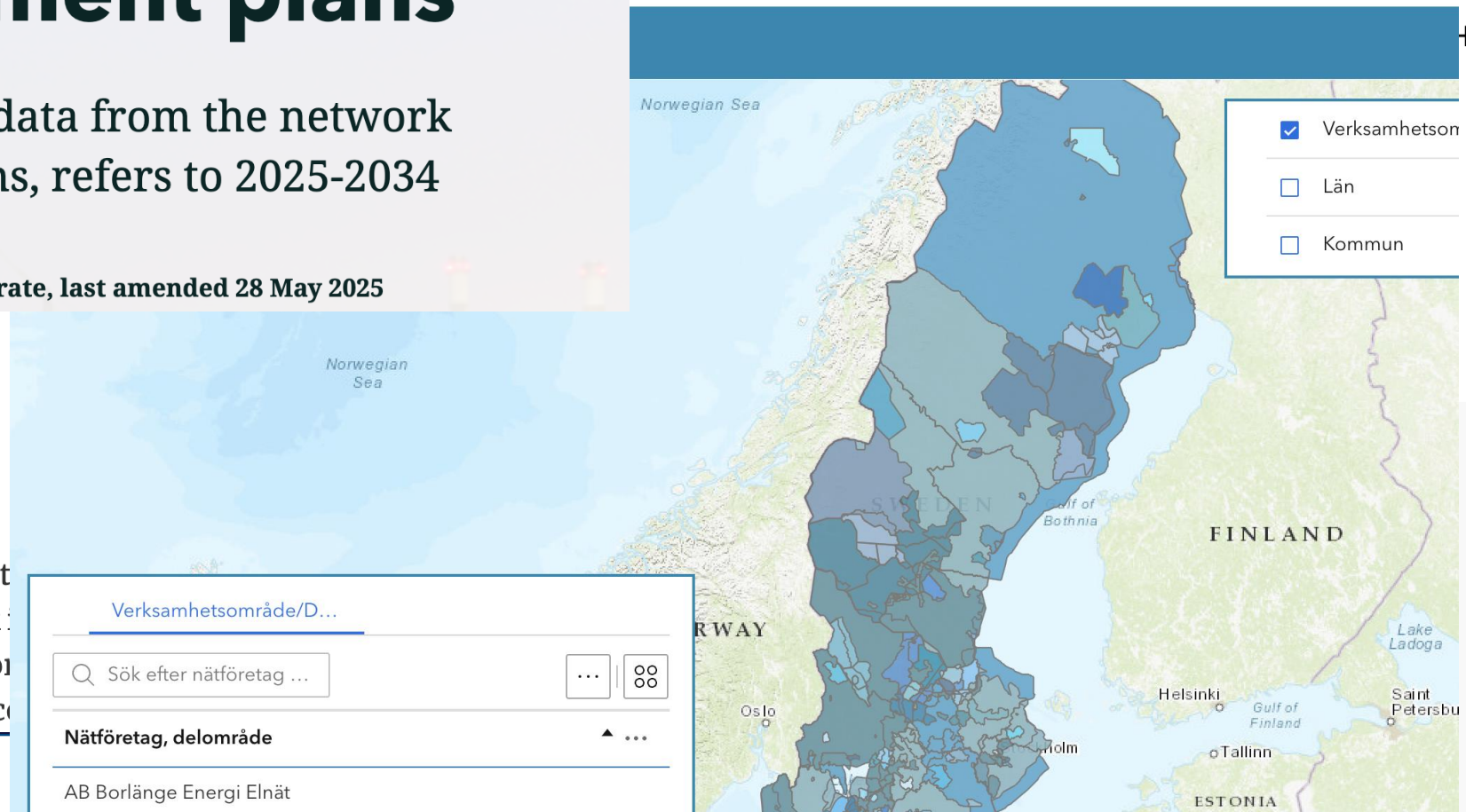
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gov.uk | Find open data

Public

Need for flexibility services Do the measures meet the forecast?

Heat Networks P



The Heat Networks Planning Database (HNPD) provides a picture

# Consistent planning (and information) across all infrastructures

- Gas grid retirements
- Hydrogen grids
- Heat networks
- Power network expansion
  
- Other public infrastructures as roads, rail, glass fibre, etc.

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apers



Energy, Climate change, Environment

Energy

Home | Topics | Strategy | Data and analysis | Energy e

Home > News > EU guidance on ensuring electricity grids are

NEWS ANNOUNCEMENT | 2 June 2025 | Directorate-Genera

# EU guidance on ensuring electricity grids are fit for the future



CEER  
Council of European  
Energy Regulators



About us ▾ What we do ▾ Work Areas ▾

Report

15.05.2025

Electricity

## CEER Paper on Incentives in Regulatory Frameworks with a Focus on OPEX/CAPEX Neutrality

The EU's climate and energy goals are accelerating electrification across sectors, requiring a major expansion of fossil-free generation and grid infrastructure. EU initiatives such as Fit for 55, REPowerEU, and the Action Plan for Grids highlight the need for cost-effective, flexible, and digital

# Independent System Operator and Planner

The screenshot displays the legislation.gov.uk website interface. At the top left is the Royal Coat of Arms and the text 'legislation.gov.uk'. To the right, it says 'delivered by THE NATIONAL ARCHIVES'. Below this is a navigation menu with links for 'Home', 'Explore our collections', 'Research tools', 'Help and guidance', 'What's new', and 'About us'. On the far right of the navigation bar are 'English' and 'Cymraeg' options.

The search bar is prominent, with fields for 'Title:', 'Year:', and 'Number:', and a 'Type:' dropdown menu currently set to 'All UK Legislation (excluding originating from the EU)'. A blue 'Search' button and a link to 'Advanced Search' are also visible.

The main content area shows the title 'Energy Act 2023' and the breadcrumb path '2023 c. 52 > Explanatory Notes > Part 5: Independent System Operator and Planner'. Below this is a navigation bar with tabs for 'Table of Contents', 'Content', 'Explanatory Notes' (which is selected and highlighted in blue), and 'More Resources'. There are also 'Previous' and 'Next' navigation buttons.

Under the 'Explanatory Notes' tab, there is a 'Contents' section with a hamburger menu icon. The main heading is 'Part 5: Independent System Operator and Planner', followed by the sub-heading 'Section 161: The Independent System Operator and Planner ("the ISOP")'. The text of Section 161 is displayed, starting with '459. Section 161 introduces the concept of the ISOP and describes what it will do. It includes (in subsection (3)) a representative, but not exhaustive, list of its initial functions (activities) and notes (subsection (2)) that functions are (or will be) typically conferred on the ISOP by legislation (including this Act) or instruments made under legislation (for example licences or codes).'

Below this, it says '460. The ISOP has hitherto been referred to in consultation and other documentation as the Future System Operator (FSO).'

At the bottom of the page, the start of 'Section 162: Designation etc' is visible.



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