Guide to the approach on design

This Guide to the approach on design includes the key documents that form the project's design approach.

While there is no statutory requirement to produce design-related documents, paragraph 4.7.7 of EN-1 (2024) states that:

"Applicants must demonstrate in their application documents how the design process was conducted and how the proposed design evolved. Where a number of different designs were considered, applicants should set out the reasons why the favored choice has been selected."

Advice issued by the Planning Inspectorate also states that the applicant can submit any document that could help assist in meeting requirements of a National Policy Statement including a design and access statement among other supporting design documents.

Given the linear nature of the proposed electricity transmission project that comprises various components, the following documents have been prepared to capture the design process:

- **DAS –** Design and Access Statement (document reference 7.15)
- **DASSI –** Design Approach Site Specific Infrastructure (document reference 7.16)
- **DDR –** Design Development Report (document reference 5.15)

VIEW THE CENTRALISED DOCUMENTS FOLDER

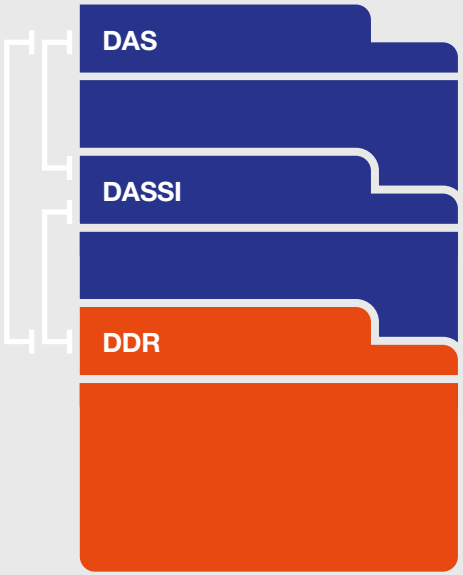
VIEW THESE DOCUMENTS ON OUR PROJECT WEBSITE

As you move to the main page of each design document by clicking on the centralised interactive folder to each report, the purpose behind the document and interactions between each report is explained.

The interactive folder therefore provides a central repository to help those interested in understanding where to find key information on design and linkages to other documents that have helped shape and inform the design approach. Access to each design related document and the contents of the report is set out to assist those wanting to access and understand more about the way in which the project design addresses the policy, advice note requirements, regulatory and statutory duties.

Guide to the approach on design

Document



THIS IS AN INTERACTIVE PDF

To explore one of our DCO documents, relating to design click on a folder. To return to the home screen, please click the home icon, top right.

We've produced this interactive PDF to show the design documents that underpin our design approach.

Click on one of the folders on the left to view the document, read a summary and find out more information on our design approach.

Guide to the approach on design

Document

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Summary

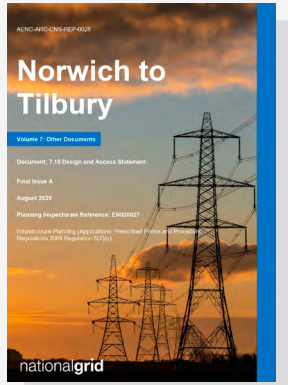
The Design and Access Statement (DAS) describes the factors that influence design in relation to the permanent linear elements of the Project. The DAS sets out the background to the Project, the design principles applied by National Grid and summarises the approach to and development of good design. It also provides details on the permanent access for both the substations and Cable Sealing End Compounds.

The DAS provides an evaluation and review of the Good Design Process summarising how the design and location have been informed by the Design Principles with reference to the 'Planning Inspectorates Nationally Significant Infrastructure Projects: Advice on Good Design' and the National Infrastructure 'Commission Design Guidance'. It also includes an Internal Design Review Note.

The report acts as the 'central' design Document that links closely with the DDR and DASSI.

Download a PDF of the DAS document

Overview



The report is structured as follows:

- **Chapter 1** – Introduction
- **Chapter 2** – Overview of the Project
- **Chapter 3** – Legislation, Policy and Guidance Context
- **Chapter 4** – Physical Context
- **Chapter 5** – Good Design Process
- **Chapter 6** – Conclusions

Guide to the approach on design

Document

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Summary

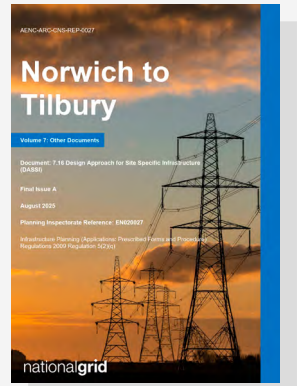
The Design Approach to Site Specific Infrastructure (DASSI) relates to the details of the site specific infrastructure of the nonlinear works included in the Project, such as the substations and Cable Sealing End Compounds (CSEC's).

This document outlines the design principles that can be taken forward into the detailed design stage, sets out an approach to the design of site specific infrastructure of non-linear works, and details those elements of the design which have some flexibility in their appearance. The document links closely with the DAS and DDR. The DASSI differs from the DDR in that it provides site specific details for non-linear infrastructure.

The document is closely linked with the 'detailed design' Requirement in the draft Development Consent Order (dDCO) and is a "certified" document under Schedule 18.

Download a PDF of the DASSI document

Overview



The report is structured as follows:

- **Chapter 1** – Introduction
- **Chapter 2** – Site Location and Context
- **Chapter 3** – Examples of Existing Infrastructure
- **Chapter 4** – DCO Design and Operational Function
- **Chapter 5** – Design Principles and Scope for Variation in Developing the Detailed Design
- **Chapter 6** – Approach to Detailed Design and Approval Process

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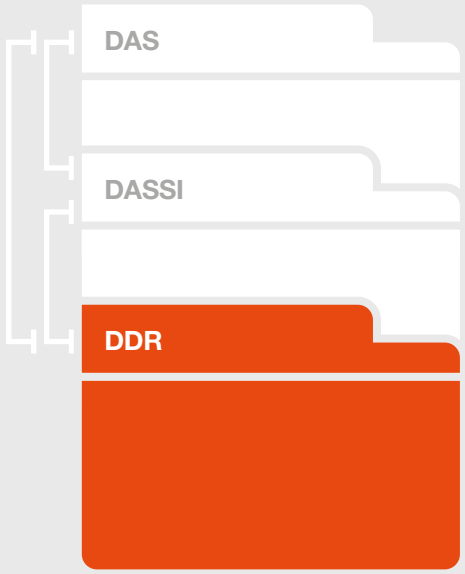
Document



If you wish to view previous versions of the DDR or a copy of the Consultation Report you can view them in the documents section of the **Planning Inspectorate's website**.

THIS IS AN INTERACTIVE PDF

To explore one of our DCO documents, relating to design click on a folder. To return to the home screen, please click the home icon, top right.

Summary

The Design Development Report (DDR) provides an overview of the main changes in route alignment, infrastructure siting, and technology for the Norwich to Tilbury Project, based on feedback from the 2024 statutory consultation and targeted consultations in 2025.

This report highlights the key changes requested in feedback received from consultations, taking into account various factors to ensure balanced decision-making.

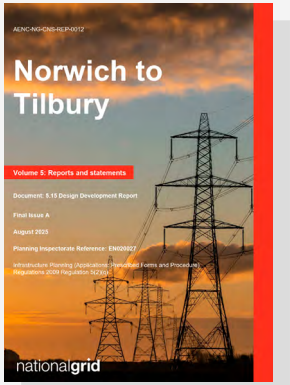
It is important to note that the DDR does not encompass all changes, particularly smaller adjustments such as minor pylon relocations, which are addressed in the Consultation Report.

The DDR details the changes being sought, outlines the National Grid's responses, and explains the rationale behind decisions to either proceed with or forgo specific changes.

The DDR provides the details on the linear route and siting with close links to the Consultation Report.

Download a PDF of the DDR document

Overview



The report is structured as follows:

- **Chapter 1** – Introduction
- **Chapter 2** – Project wide considerations relevant to the design development
- **Chapter 3** – Overview and Summary of Changes Taken Forwards
- **Chapter 4** – Section A South Norfolk
- **Chapter 5** – Section B Suffolk
- **Chapter 6** – Section C Babergh and Tendring
- **Chapter 7** – Section D Colchester
- **Chapter 8** – Section E Braintree
- **Chapter 9** – Section F Chelmsford
- **Chapter 10** – Section G Brentwood and Basildon