Open Data Methodology - ECR

<table>
<tr><td>Title of data set</td><td colspan="3">Embedded Capacity Register</td></tr>
<tr><td>Methodology Author</td><td>Fraser Gascoigne</td><td>Methodology date</td><td>11/03/2025</td></tr>
<tr><td>Brief Description of data set</td><td colspan="3">The Embedded Capacity Register(ECR) lists distributed energy resources within our DNO areas. The ECR is produced in accordance with the Distribution Connection and Use of System Agreement (DCUSA) which details the requirements for a document to provide information on distributed generation over 50kW of installed capacity.

<table><tr><th>Term</th><th>Definition</th></tr><tr><td>ECR</td><td>Embedded Capacity Register</td></tr><tr><td>DCUSA</td><td>Distribution Connection and Use of System Agreement</td></tr><tr><td>DNO</td><td>Distribution Network Operator</td></tr><tr><td>QPID</td><td>Quotation and Project Information Database – An internal system for handling information of quotes, enquiries and other project information</td></tr></table></td></tr>
<tr><td>Meta Key words</td><td colspan="3">Generation, Connections, Storage</td></tr>
<tr><td>Relevant User and Theme pages</td><td colspan="3">Connection Developers user page
Generation dashboard</td></tr>
<tr><td>Scope of dataset</td><td colspan="3">Generation, storage and flexible demand ≥50kW
Accepted and connected</td></tr>
<tr><td>Source of data in dataset</td><td colspan="3">The data that populates the ECR comes from various sources:
Site and address information - The site and address information are pulled directly from Quotation and Project Information Database (QPID) or QPID extracts.
Enquiry information – ENQ number, accepted and connected dates. This includes other enquiry information such as the description field. This data is stored within QPID.
Generator and Connectivity information – This information is taken from functional specification documents or similar documentation (eg. G99 form). Often this is stored within QPID or from within the “letters” folder of the T drive.
Any other data such as export capacity, current status or flexible connection information is populated from a combination of connection agreements or functional specifications and notes within QPID.</td></tr>
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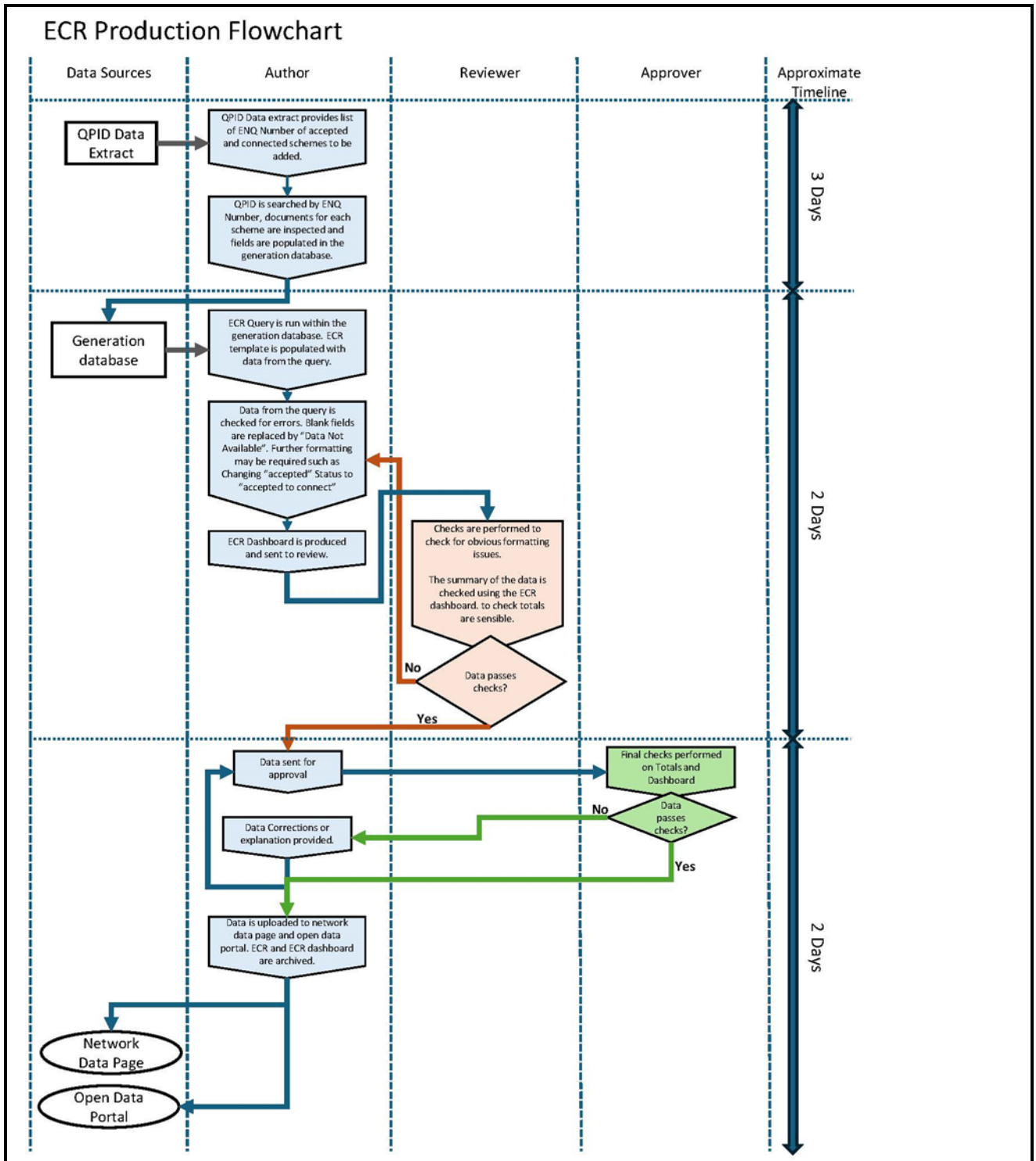
Update frequency and maintenance plan	Monthly The ECR is to be produced every month before close of play on the 10th working day ensuring that the data is publicly available by this deadline.
Data Quality /completeness /accuracy	The information provided in the ECR is intended for general use and serves as a guide only. Given that the connections summarised in the ECR spans many years, there is a possibility of inaccuracies. Therefore, users are strongly encouraged to perform their own checks to verify the accuracy of the data, ensuring it meets the specific requirements of their application. This due diligence is crucial to account for any potential discrepancies and to make informed decisions based on the most reliable information available. Northern Powergrid are not liable for any inaccuracies or omissions in the ECR data.
Related datasets	**National Combined ECR** Alongside the production of our ECR, we also collate data from ECRs published by all DNOs to create a National Combined ECR each month. This gives insight into distributed generation throughout England, Scotland and Wales. The National Combined ECR was created to give stakeholders a simpler way to view the national picture and be able to compare various regions of the UK to one another. Please be aware that this is 3rd party data and Northern Powergrid are only responsible for the data quality of our own ECR, if you have any queries about the data you would need to contact the DNO responsible for that area. ECR data sets are incorporated from: ENWL, NGED, SPEN, SSEN and UKPN
Data set structure/granularity/field descriptions	
The ECR format and data fields are standardised acrossall DNOs and agreed with DCUSA. Embedded Capacity Register - DCUSA There are 6 Excel sheets that comprise the document: • Contents • Definitions Part 1 • Register Part 1 50kW – < 1MW. • Register Part 1 ≥ 1MW. • Definitions Part 2 (DSR) • Register Part 2 (DSR)	
Methodology and assumptions	



Detailed considerations/exceptions/limitations