



Digitalisation Action plan

Electricity Transmission

December 2022

nationalgrid

National Grid Electricity Transmission: Digitalisation Strategy Action Plan – Update (December 2022)

Action Number	Strategic objectives and enablers	Action	Due Date	Progress to date	Next Steps	Action Status
DSAP 101	Enabler: whole system stakeholder engagement	<p>Stakeholder Engagement: Engage external stakeholders to verify the profiles of our external stakeholders, their data needs, business drivers and value cases.</p> <p>Develop and maintain a digitalisation-focused stakeholder engagement strategy to target key groups / personas and drive our stakeholder engagement plans.</p> <p>Establish a Stakeholder Engagement Log linking feedback to activity and stakeholder outcomes.</p>	Ongoing (stakeholder engagement will be continuous throughout)	<p>External stakeholder workshop plans developed with Customer Insights team. This will ensure relevant input from key points across our stakeholder map including government, industry and academia.</p> <p>Stakeholder Engagement Log format developed and adopted.</p> <p>Research Assistant refreshed to include information on indicative connection timeframes and incorporate films to aid customer knowledge of the connections process, market demand and explain reinforcement work required to support future connections.</p> <p>Early engagement is underway for potential changes to ConnectNow customer portal to develop and refine enhanced customer experience of connections process.</p>	<p>Conduct Internal stakeholder consultation workshops in Jan 23, to ensure appropriate external contacts.</p> <p>Convene External stakeholder workshop in Feb 23, covering all aspects of NGET's Digitalisation Strategy, incorporating recommendations on approach from the Independent User Group (IUG).</p> <p>Explore options for developing a website-based digitalisation response form to seek ongoing continuous stakeholder feedback.</p> <p>ConnectNow customer portal trial to commence in Q4 with target group. Further engagement planned once the trial is underway to seek user feedback ahead of scaling to all customers.</p>	In progress
DSAP 102	Enabler: trusted, available and secure data	<p>Data Integration: improve internal data onboarding capability for new data sources to enable integration with media data types (including images, videos, audios and geospatial data).</p> <p>Allow integration with external datasets to expand on data discovery opportunities.</p>	Ongoing	<p>Pivoting towards a data mesh approach, which will much more closely align our internal processes with the concepts expected by Data Best Practice, and which will in turn support our ability to provide data and digital products and services to our stakeholders.</p>	<p>Test and embed our internal data strategy (including implementation of data mesh architecture as part of our Cloud Data Platform programme) through delivery of our first data products.</p> <p>Continue conversations with NG ED with respect to data catalogue technical solutions.</p>	In progress

		<p>And facilitate exposure of datasets externally to meet our stakeholders' needs.</p>	<p>Creation of a new internal data strategy to help align our organisation's thinking to the approach of interoperable data products to support digital needs. Establishment of this culture internally will help to ease the transition towards a truly Presumed Open approach for NG ET.</p> <p>We are learning from other NG businesses (NG ED and the ESO) with respect to data catalogue technical solutions, in order that we can more swiftly establish our own.</p> <p>Striim, the Cloud Data Platform's (CDP) data ingestion tool, enables the continuous movement of structured, semi-structured, and unstructured data to storage in real time.</p> <p>Along with National Grid's internal systems, Striim can also ingest data sources that are exposed to the internet. This is yet to be tested.</p> <p>External datasets can be published externally via exposed REST APIs, buckets and web pages. The Cloud Data Platform enables data specialists to use Azure Marketplace tooling to build these functions. This has yet to be tested.</p> <p>The Cloud Data Platform and its components are compliant with NIST standards and industry best practices; the solution has been designed and built in-line with National Grid's Baseline Security requirements and signed off by ET Security Architecture</p>		
--	--	--	---	--	--

DSAP 103	Enabler: trusted, available and secure data	<p>Data Management: Further develop our internal data catalogue to manage and maintain quality, compliance and security through proactive metadata, lineage management related to our systems, and data quality monitoring.</p> <p>Provide an external view of this to enable stakeholders to understand what data we hold and could potentially provide.</p>	February 2023	<p>Informatica Intelligent Data Management Cloud has been tested for data quality, catalogue and governance capability, and procurement of the tool is underway.</p> <p>Data best practices and controls have been published from Global IT.</p> <p>New Cloud Data Platform (CDP) has been developed to support Data Mesh to democratise data across NGET. This will help us to embed the relevant Ofgem Data Best Practice requirements.</p> <p>Plans are now in place to engage with external stakeholders to share information about the data we hold and understand use cases they may have for open access to data sets.</p> <p>Reviews have taken place internally of open data portals already in place across National Grid, and plans are being considered for how to embrace this within NGET.</p>	<p>Conduct planning workshop with data product owners to forecast demand for the CDP, so that the likelihood of an integration bottleneck occurring is reduced</p> <p>Engage with external stakeholders on how best to share information about the data we hold and understand use cases they may have for open access to data sets.</p> <p>Data domain designs are being refreshed as part of our new data architecture to support delivery of the Digitalisation strategy.</p>	In progress
----------	---	--	---------------	--	--	-------------