



Network Access Policy KPIs 2021/22

Transmission Owner: SP Transmission

As part of these policy commitments and to ensure SPT have a fully transparent outage planning processes, SPT will produce a series of annual KPI's to monitor outage planning performance and outage delivery. The KPI's are set in appendix A of the GB Network Access Policy which can be found here [on our website](#).

These KPI's have been developed in collaboration with all GB TOs and NGENSO following feedback from customers and stakeholders across GB.

In order to continually drive improvements in performance, these KPI's shall be regularly reviewed and feedback on performance provided to stakeholders to promote transparency. SPT have produced these KPIs using data from the current outage database as provided by the NGENSO where available.

The new electronic Network Access Management System (eNAMS) is currently in development by NGENSO and will provide additional functionality to allow further monitoring and transparency of performance and collaboration between TOs, NGENSO, customers and stakeholders in the future.

July 2022

NETWORK ACCESS POLICY KPIs 2021/22

1. Long Term Outage Planning Performance

Measure of the number of outages in the year ahead plan submitted at week 49 vs the number of actual outages delivered in the regulatory year. This is a high-level measure of Long-Term Outage Planning Performance

- a) Number of outages in the year ahead plan

For the 2021/2022 period, SPT had 486 transmission outages in the year ahead plan

- b) Number of these outages delivered

For the 2021/2022 period, SPT delivered 302 of the 486 planned outages in the year ahead plan

- c) Percentage of year ahead plan delivered

For the 2021/2022 period, SPT delivered 62.14% of the outages in the year ahead plan

2. Accuracy of the Year Ahead Outage Plan

This is a measure of the TOs capability to construct and deliver a robust outage plan. This is detailed measure of Long-Term Outage Planning Performance

- a) Percentage of outages in the year ahead plan started on the date agreed at the year ahead stage –week 49

For the 2021/2022 period, SPT started 30.25% of outages in the year ahead plan on the date agreed at week 49

- b) Percentage of outages in the year ahead plan started within the outage week agreed at the year ahead stage –week 49

For the 2021/2022 period, SPT started 39.51% of outages in the year ahead plan on the week agreed at week 49

- c) Percentage of outages changed in the year ahead plan for a “positive” reason e.g. NGENSO cost saving change or stakeholder requested change

For the 2021/2022 period, SPT changed 10% of outages in the year ahead plan for a positive reason

3. Within Year Outage Planning Performance

Measure of new outages requested within year by the TO during the relevant regulatory year. These are essential outages to carry out defect repairs, remove potential hazards or complete construction works. There is a balance of flexibility and these measures are intended to show a reduction in the number of short-term requests being made.

- a) Number of new within year outages submitted to NGESO prior to the Optimisation phase (17 -52 weeks ahead)
- b) Number of new within year outages submitted to NGESO during the Optimisation Phase (4 –16 weeks ahead as specified in STCP 11.1)
- c) Number of new within year outages submitted to NGESO during the delivery Phase (0 –3 weeks ahead as specified in STCP 11.1)

For the 2021/2022 period, SPT are unable to express the Within Year Outage Planning Performance KPI in the categories presented above due to deficiencies in the data provided by TOGA/eNAMS in the initial changeover year. For the 2021/2022 period SPT submitted a total of 2681 new outages within year. For the 2022/2023 period onwards this data will be available

4. How Many Connection Assets or Transmission Circuits Are Out of Service More Than Once Per Annum?

Measure of the number of times the same item of equipment or circuit is removed from service.

For the 2021/2022 period, SPT had 518 transmission assets which were out of service more than once per annum. This figure includes outages for adjacent TO works, permanent faults, transient faults, and "In-Service" bookings. Repeated outages are normally due to a combination of clearance and commissioning outages associated with large construction projects like Kincardine Flood Defence and Neilston Fault level Mitigation in 2021.

5. Outage Coordination

Measure of the number of times the TO has carried out different work during a single outage. Measure is based on the number of outages that have been combined into a single outage vs the total number of outages delivered in the regulatory year.

For the 2021/2022 period, SPT nested 285 instances of work during a single outage vs a total number of 1863 outages delivered.

6. Percentage of TO Outages Started Within 60mins of Agreed Start Time

Measure of outage start time accuracy will be the agreed Planned Start Time compared to the Actual Start Time.

For the 2021/2022 period, SPT started 49.88% of outages within 60 minutes of the planned start time. There were 725 outages (43.59%) which had an incorrect start time due to GMT/BST time shift between OPD (SPT's previous outage management tool) and TOGA of which 489 were not started within 60 minutes. This gives a figure of 78.23% for future year comparison now that start times have been corrected.

7. Transmission Connected Generation -Percentage of Annual Access Curtailed by Bilateral Connection Agreement Per Annum -Firm Connections

Measure of lost network access due to transmission outages and connection agreements. Measure would be $100 \times (\text{total days of actual outages} \setminus 365)$.

For the 2021/2022 period, there was no loss of transmission access for firm connections on SPT's network due to transmission outages.

8. Transmission Connected Generation -Percentage of Annual Access Curtailed by Bilateral Connection Agreement Per Annum –Non-Firm Connections

Measure of lost network access due to transmission outages and connection agreements. Measure would be $100 \times (\text{total days of actual outages} \div 365)$.

For the 2021/2022 period, there were 21 unique connections with non-firm connections which had their access curtailed, average loss of network access for these connections was 1.50%. This ranged from 22.55% lost access for the most impacted generator and 0.03% for the least impacted.

9. Average Outage Duration Accuracy

Measure of TO ability to plan outage durations. A negative figure would indicate outages generally overrun, a positive figure would indicate outages generally finish early.

- a) Average outage duration accuracy –year ahead outage plan

For the 2021/2022 period, 11.5% of our year ahead outages were increased by more than one day and 34.36% of our year ahead outages were reduced by more than 1 day. The average duration change is a decrease of 2.3 days.

- b) Average outage duration accuracy -within year outages

For the 2021/2022 period, 2.2% of our within-year outages had their duration increased and 4.9% of our within-year outages has their duration increased. The average duration change is an increase of 0.22 days.

10. Number of Unplanned Outages Due to Faults or Defects

This is a measure of the number of times an asset or circuit has been removed from service due to a system fault, has been removed from service by emergency switching or has been made unavailable to NGEESO and removed from service.

- a) Number of system faults removing an asset or circuit from service

For the 2021/2022 period, there were 224 instances of an asset or circuit being removed from service due to a protection-initiated action. This includes permanent faults, transient faults and faults originating on a neighbouring TO's network which SPT assets were required to clear.

- b) Number of emergency switching outages removing an asset or circuit from service

For the 2021/2022 period, there were no instances of emergency switching on the SPT network

- c) All other unplanned outages when an asset or circuit has been made unavailable to NGEESO due to a defect

For the 2021/2022 period, SPT took 9 unplanned outages where the asset was made unavailable to the ESO.

11. Enhanced Service Provision

Measure of the number of STCP11.4 proposals identified within a regulatory year.

a) Number of proposals identified by NGESO or TO

6 proposals were identified between SPT & NGESO for STCP 11-4 consideration

b) Number of proposals delivered by the TO

4 proposals were delivered by SPT in the 2021/2022 plan year with the other 2 due to be delivered in 2022/2023

c) Measure of System Operational costs savings vs cost to deliver by TO

Actual figures have not yet been provided by the ESO however there are forecast savings of £3.984m vs a cost of £90,185 for SPT to deliver the enhanced services

12. In Service Works

Measure of the number of “In Service” bookings to highlight works taking place without an asset being taken out of service e.g. Telecoms works, Risk of Trips etc

For the 2021/2022 period, SPT planned and completed 308 “In-Service” bookings