

Gas
Transmission

Mod 0794: Obligation for DNOs to Continue Provision of Gas Composition Information to National Grid NTS

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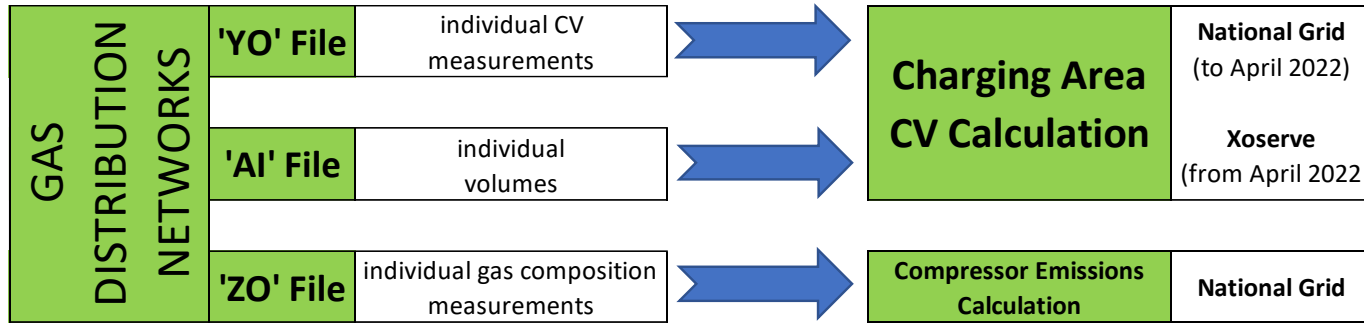
nationalgrid



Why change?

- National Grid utilises gas composition data currently provided by DNOs in order to calculate emissions of certain gasses from its compressor fleet pursuant to a number of UK Regulations/Orders
 - Gas composition data from a number of DN sites (proximate to NTS compressors) is used as appropriate indicators of gas composition
- At the conclusion of National Grid's current interim service for determination of charging area Calorific Values (CVs) there will be no contractual obligations on the DNOs to provide the necessary gas composition information (at the relevant sites) to National Grid
 - End of interim service is expected to be 31 March 2022

CV and Emissions Calculations



- From April 2022, Xoserve will receive '**YO**' and '**AI**' file information from DNs in order to determine Charging Area CVs
 - This information is currently issued to National Grid
- National Grid has an enduring requirement to calculate emissions from its Compressor fleet hence require ongoing provision of '**ZO**' file information

Options

- Continuation of existing communications is considered the optimal approach
- National Grid NTS is seeking reflection of current scope of data provided and timings (i.e. no enhancements sought)

Proposed Solution

- New OAD obligations for the relevant DNO to provide to National Grid the specified gas composition information - to be provided for each day by 08:00 hours on the following day ('D+1').
 - 11 data items (Methane, Ethane, Propane, i-butane, n-butane, i-pentane, n-pentane, neo-pentane, C6+, Carbon dioxide*, Nitrogen*)
 - at specified primary and backup locations (39 in all)
- Notification as soon as practicable where:
 - changes are made to the site/system configuration (for example Site number, Analyser serial number or type)
 - planned equipment outages
 - “loss of records” occurrences

* OAD Sections D and E already contain obligations to provide these data items via telemetry as two items of “measured data” (D1.2.1(d))

Areas for Consideration

- DNs intentions regarding ongoing provision of 'ZO' file in light of the anticipated change to the provider of the Charging Area CV service from April 2022
- National Grid consideration of:
 - duration of obligation
 - options for DN's to elect to discontinue provision (with notice)
 - form of data provision
 - limitations on use of data (i.e. for permitted purpose)
 - consideration of an interim solution pending agreement of an enduring solution
 - option for recovery of any additional costs reasonably incurred by DNs
 - existing obligations to provide one or more of the data items in question