

# NTS System Access & Maintenance

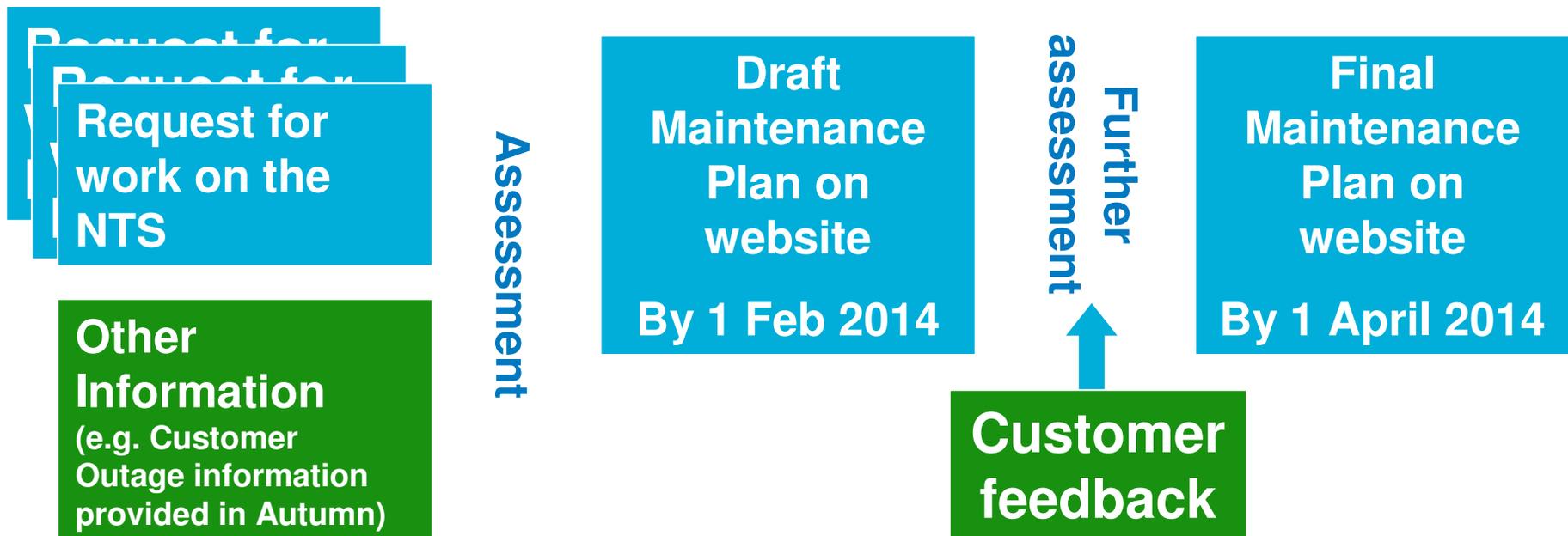


# System Access

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- Works are planned on the NTS as part of an annual cycle including:
  - New connections or requirements for increased capacity
  - Pipeline diversions
  - Maintenance & inspections
  - Asset replacement
- Sometimes NTS work is required that can impact on
  - Which assets are available (e.g. during maintenance)
  - Flows required on the system (e.g. to enable a pipeline inspection (ILI))
- In some instances this may need co-ordination with our customers

# System Access planning



- Reviewing the system access process to enable:
  - More effective engagement including earlier sight of work that could affect you
  - Greater focus on longer term planning of system access requirements

## Outage information

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- **Thank you** to many of you for your outage information
  - This enabled us to align much of our works with yours to minimise the impact
  - If your outages move, please get in touch

# NTS Access Planning

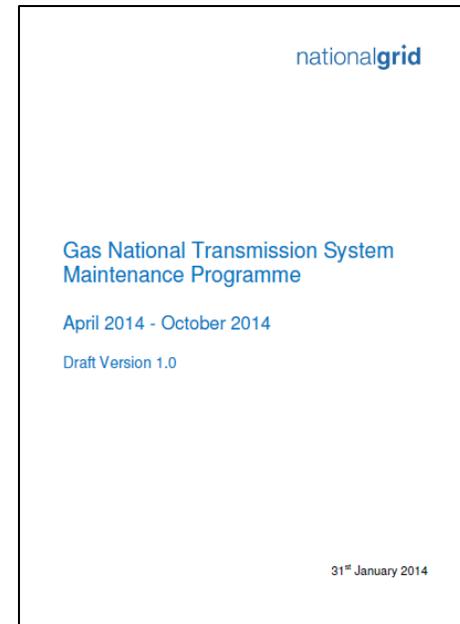
- Draft summer programme available at <http://www2.nationalgrid.com/uk/industry-information/gas-transmission-system-operations/maintenance/>
- Initial notices have been sent out
- What next?
  - Feedback from you - get in touch if you have any queries so that we can understand your views & work with you
  - Update parties with changes
  - Publish final programme by 1<sup>st</sup> April 2014

Please contact the NTS Access Planning team with any questions or feedback

Juliana Pollitt (NTS Access Planning Manager)

David Willmot (Senior Access Planning Engineer)

[Gasops.ntsmaintenance@nationalgrid.com](mailto:Gasops.ntsmaintenance@nationalgrid.com)



**Pipeline Work**

Positive work listed in this table can include dimensions of existing pipelines, installation of connections to the NTS, and replacement or maintenance of pipeline equipment (pipes, valves, pig traps etc.) which require some form of pressure restriction or isolation.

Some work can be performed by venting the pressure of gas in the pipeline. However some work requires a full shut down (often termed 'lockout' or 'isolate') of a section of the pipeline which would then be reinstated back to operational pressure once the work is completed.

Pipeline Work	Apr	May	Jun	Jul	Aug	Sep	Oct
Factor 1: Pipeline to System							
Factor 2: Pipeline to System Change							
Factor 3: Pipeline to System							
Factor 4: Pipeline to System							
Factor 5: Pipeline to System							
Factor 6: Pipeline to System							
Factor 7: Pipeline to System							
Factor 8: Pipeline to System							
Factor 9: Pipeline to System							
Factor 10: Pipeline to System							
Factor 11: Pipeline to System							
Factor 12: Pipeline to System							
Factor 13: Pipeline to System							
Factor 14: Pipeline to System							
Factor 15: Pipeline to System							
Factor 16: Pipeline to System							
Factor 17: Pipeline to System							
Factor 18: Pipeline to System							
Factor 19: Pipeline to System							
Factor 20: Pipeline to System							

**Entry Capacity: Summer 2014 Maintenance**

The table below shows an indicative flow capability for each Aggregate System Entry Point (ASEP), taking into account the effect of the draft maintenance programme. The values are displayed in month by month and are based on appropriate General Demand Conditions.

In providing the ASEP capabilities, no account has been taken of any supply side (DFO) maintenance outages.

The value represents the ASEP's only capability for each month, based on General Demand conditions for the period in the month where scheduled maintenance has most impact on capacity. The analysis performed to produce the figures uses the assumption that a supply at a particular ASEP is forecast over other ASEPs. For example, in providing capability figures for St Fergus, it would be assumed that St Fergus ASEP would be coming at its maximum for the season and the rest of the NTS supply would spread over other ASEPs.

Where no volume has been given, this indicates that the maintenance scheduled is expected to have no adverse effect on the ASEP capability.

The capability volumes shown for the individual ASEPs are indicative only, but do represent a consistent operational view.

On any given day, the amount of capacity that may be available at any ASEP will depend upon the level and distribution of the demand and the level of required demand response. In cases where scheduled maintenance has an adverse effect on an ASEP's capability, National Grid may be able to make additional capacity available at other ASEPs.

	Apr	May	Jun	Jul	Aug	Sep	Oct
St Fergus							
Tennishyde							
Basme							
Essington							
Threddeston							
Raheen							
Isle of Grain							
Milford Haven							

Values in millions of cubic metres & days  
(Conversion from tonnes in cases where it isn't using cubic metres & days)

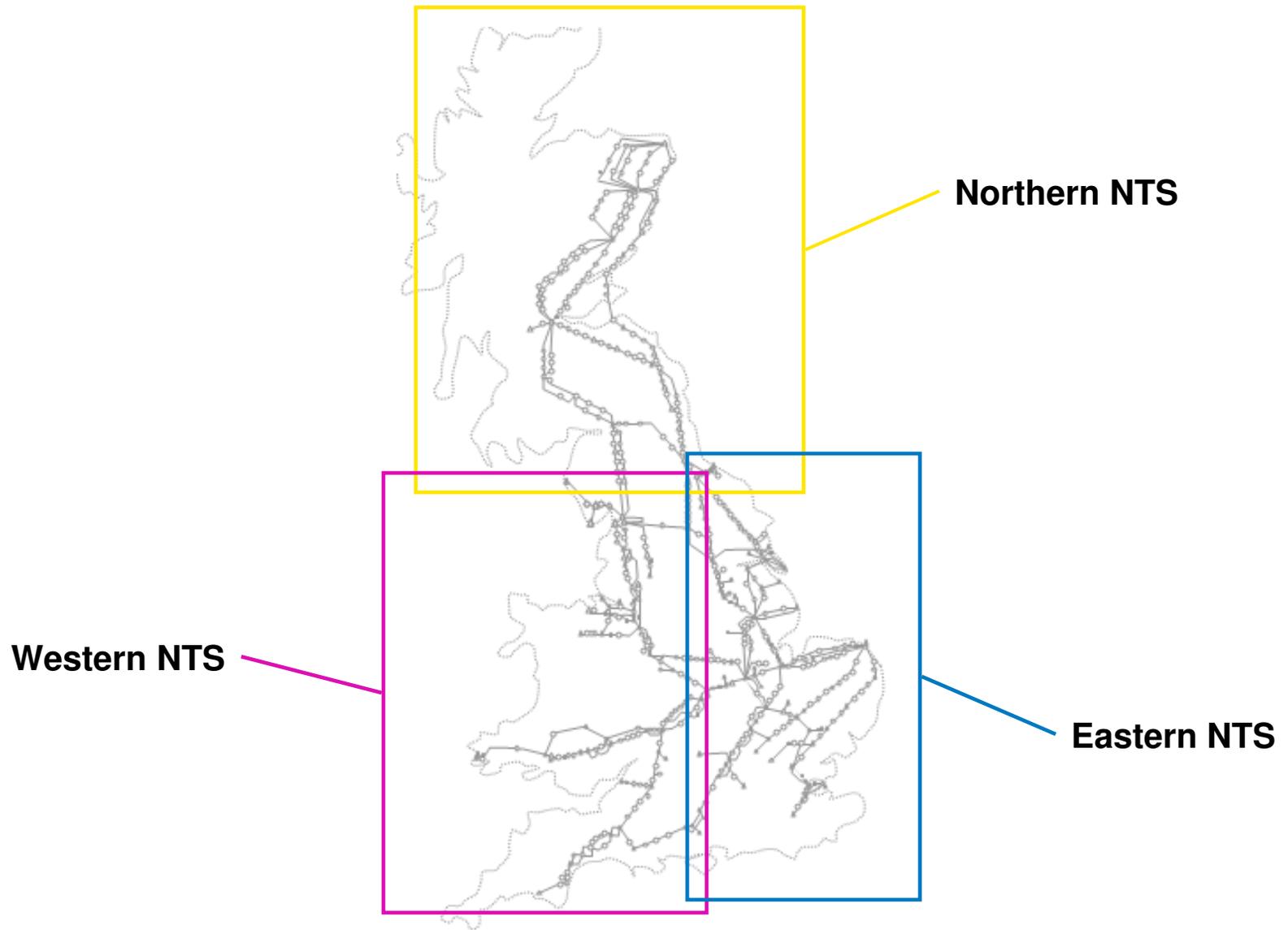
## Programme summary

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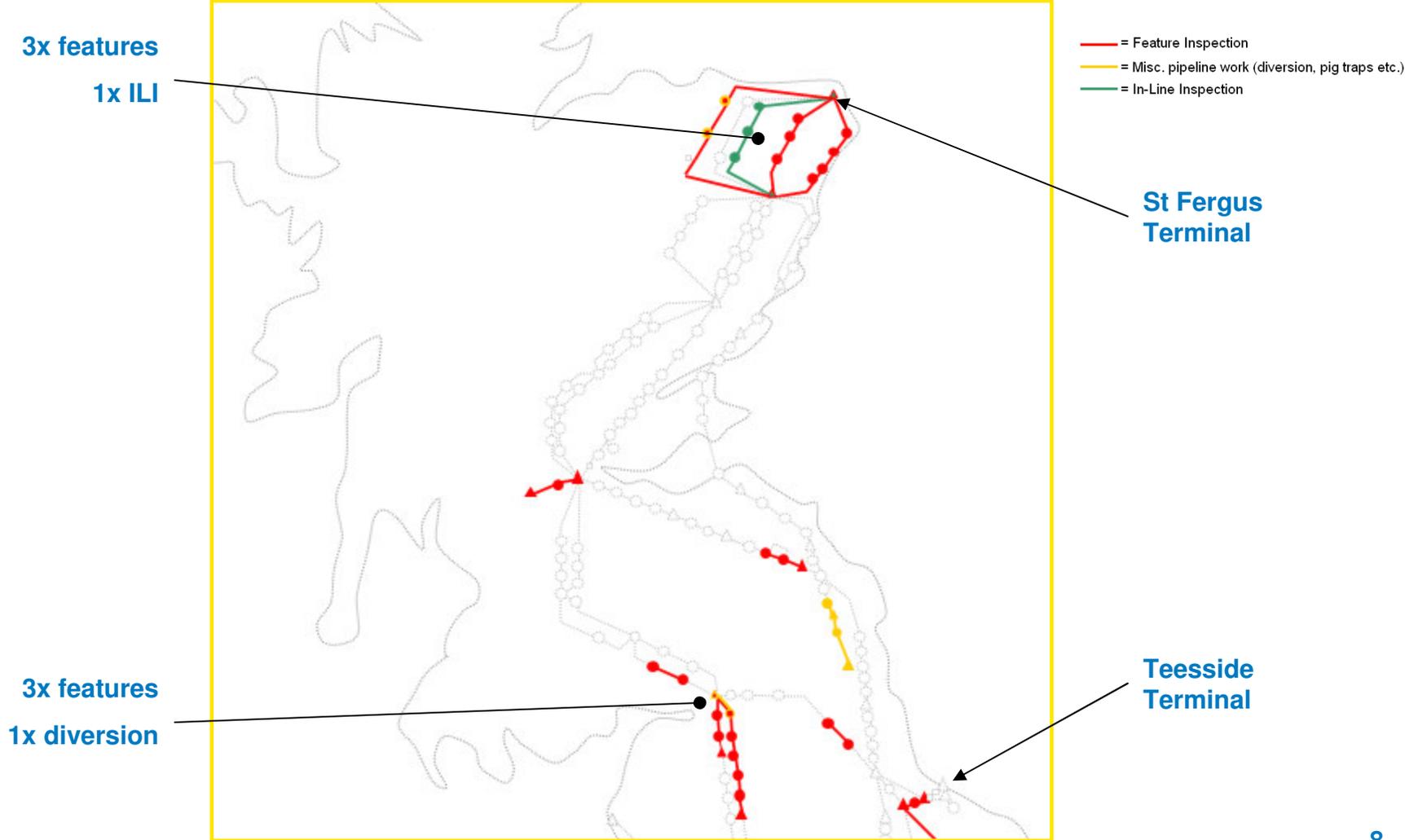
- Compressor unit & station outages include work for general station maintenance, control system & non-return valve replacements
- 9 Pipeline/AGI works including diversions
- 11 Pipeline (In-Line) Inspections
- 17 Feature Inspections
- Metering, gas quality metering, telemetry & flow weighted average equipment upgrades are continuing at sites across the NTS

# Programme summary

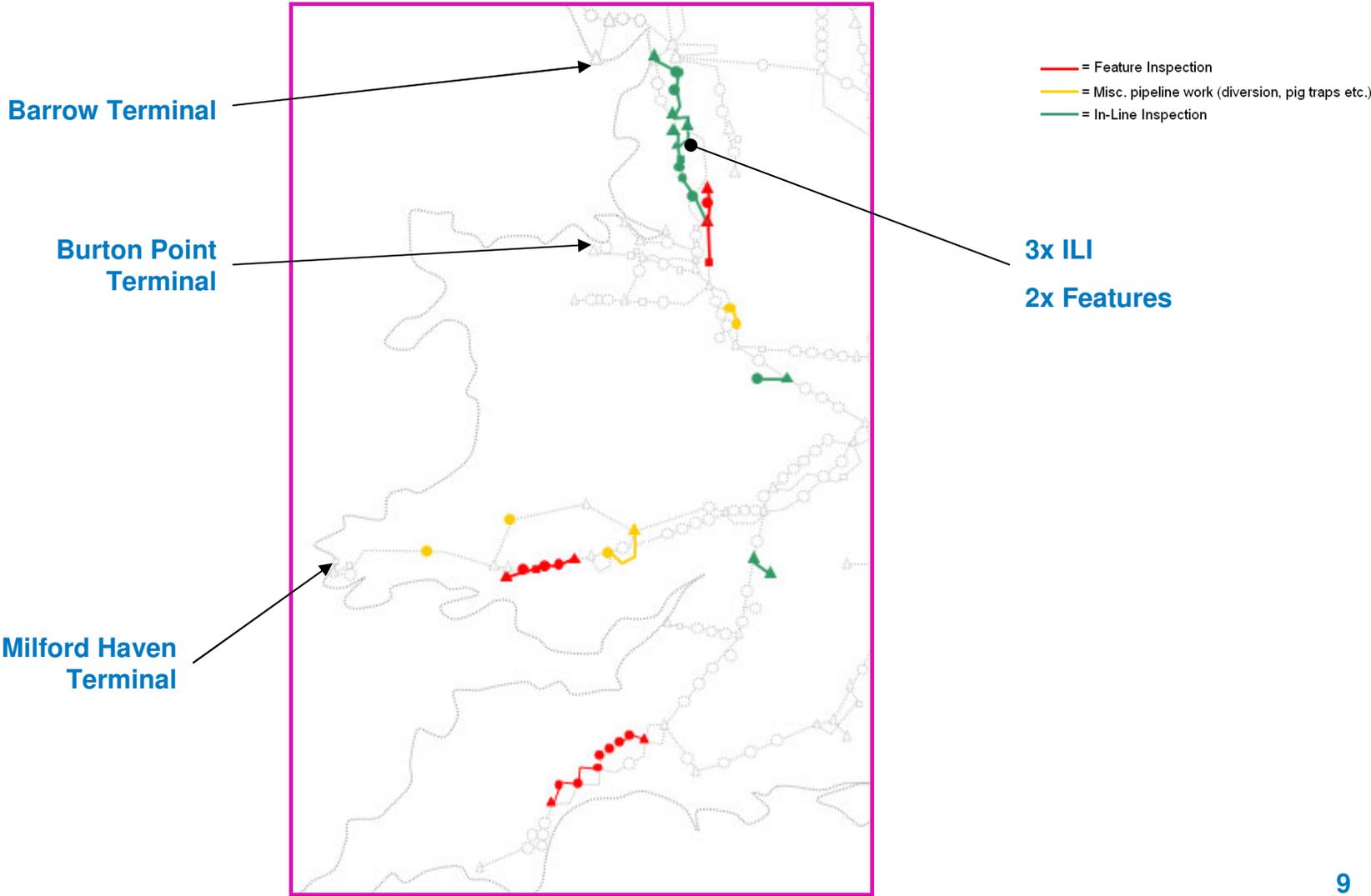
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# Programme summary: Northern NTS



# Programme summary: Western NTS



# Programme summary: Eastern NTS

