

Linepack Data Publication - Update

Ops Forum 18th April 2007

Situation

- ◆ National Grid have sought to maximise the extent of data published via the web.
- ◆ Data is published at different times due to the current process.
- ◆ IE3 is now often published before Gemini due to improvements made to IE3 based on user feedback.
- ◆ APIs are used by shippers to get data from Gemini.
- ◆ Neither system is consistently publishing before the other.
- ◆ Feedback sought at Ops Forum in January

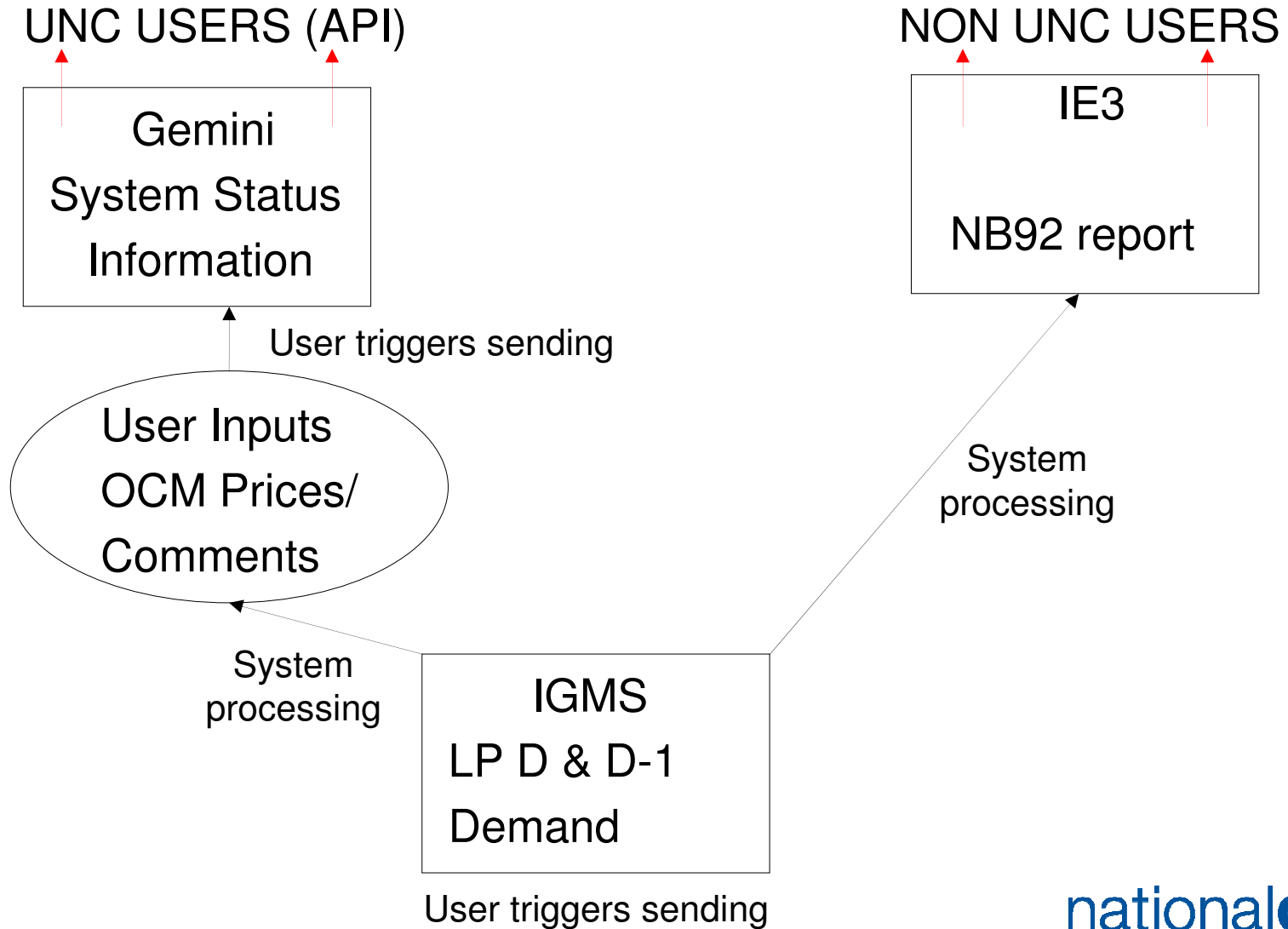
Data Published - Summary

| Data | Gemini | IE3 |
|-------------|------------------------------------|----------------------|
| OLP | System Status | NB92 |
| PCLPs | System Status | NB92 |
| Demand | System Status (D-1 in comments) | NB92 D SISR03 D-1 |
| Prices | System Status | OC46 After Day |

Why is this happening?

- ◆ National Grid have responded to feedback from the Demand Side Working Group to improve publishing timescales of NB92 report on the IE3 website.
- ◆ National Grid are incentivised by Ofgem to publish key data onto the website as quickly as possible.
- ◆ Legacy arrangement with regard to publishing of price information from the OCM included in the Gemini process causes a delay in publishing to shippers.

Current Hourly Process



Options investigated

- ◆ 1. Publish to Gemini System Status directly from IGMS
- ◆ 2. Route data to IE3 via Gemini
- ◆ 3. Don't publish in Gemini
- ◆ 4. Don't publish on IE3

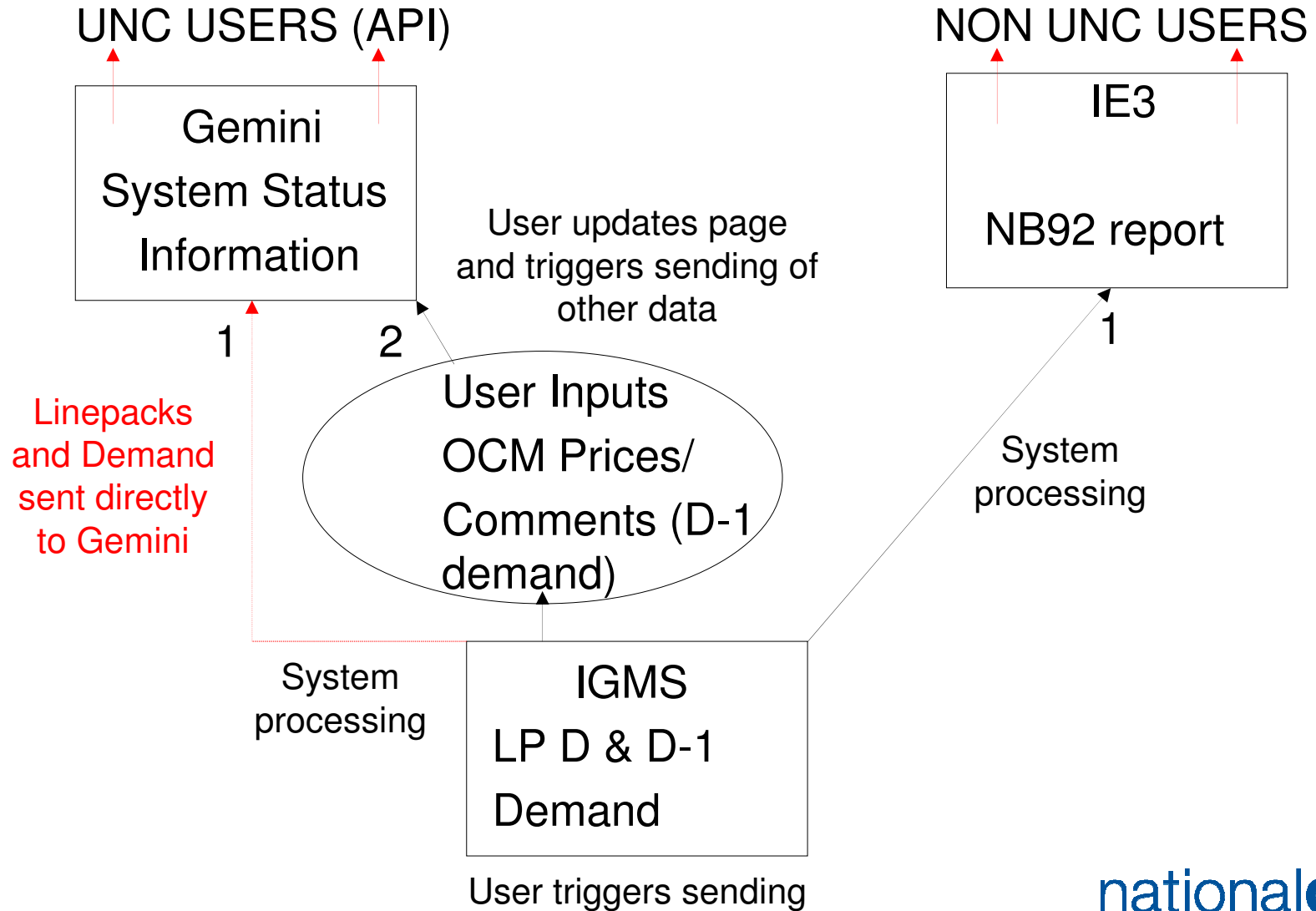
Feedback received from Shippers...

- ◆ Price Data is being used from Gemini.
- ◆ Changing the API used for System Status Information History is not favourable.
- ◆ Price data in Gemini is less important than hourly demand and linepack.
- ◆ No objection to D-1 demand being published after the data for D.
- ◆ Objection to data not being published in Gemini.

Option chosen...

- ◆ Publish to Gemini System Status directly from IGMS
 - ◆ No manual entry delay to PCLP and demand data.
 - ◆ Comments can be added ie: D-1 demand
 - ◆ Price can be added
 - ◆ Same API can be used
 - ◆ Still can not guarantee publish time but research into historical publish times is favourable and Gemini is more likely to be the system which publishes information earliest.
 - ◆ All information in Gemini System Status Information screen is not published at the same time. If Price or comments data is required in API may need to run the API again.
 - ◆ The same data will be on IE3 and Gemini and if this requires amendment this will be resent from IGMS to both systems. As a rule if there are two timestamps for one hourbar the most recent timestamp will be the current data.

Hourly Process after Change





System Status Information - History

Gas Day*: 10-Apr-2007

1. Directly from IGMS

2. Manually updated

Query Clear

| Creation Time | Current Demand | Opening Linepack | PCLP 1 | PCLP 2 | SAP | SMP BUY | SMP SELL | Comments |
|---------------|----------------|------------------|--------|--------|--------|---------|----------|----------------------------------|
| 00:05 | 291.9 | 293.9 | 305.1 | 309.0 | 0.5801 | 0.6088 | 0.5477 | |
| 01:05 | 291.3 | 294.4 | 306.2 | 309.6 | 0.5801 | 0.6088 | 0.5477 | |
| 02:05 | 291.8 | 294.8 | 305.6 | 309.9 | 0.5801 | 0.6088 | 0.5477 | |
| 03:05 | 291.8 | 294.5 | 305.3 | 309.6 | 0.5801 | 0.6088 | 0.5477 | |
| 06:07 | 292.0 | 294.3 | 305.3 | 309.5 | 0.5801 | 0.6088 | 0.5477 | |
| 07:09 | 292.7 | 294.3 | 304.6 | 309.5 | 0.5801 | 0.6088 | 0.5477 | |
| 08:03 | 292.7 | 294.3 | 304.5 | 309.5 | 0.5801 | 0.6088 | 0.5477 | |
| 09:11 | 292.7 | 294.3 | 309.4 | 309.5 | 0.5791 | 0.6078 | 0.5467 | |
| 10:05 | 293.7 | 294.3 | 297.6 | 309.5 | 0.5782 | 0.6069 | 0.5458 | |
| 11:06 | 293.8 | 294.3 | 299.5 | 309.5 | 0.5786 | 0.6073 | 0.5462 | |
| 12:14 | 296.1 | 294.3 | 297.1 | 309.5 | 0.5788 | 0.6076 | 0.5465 | |
| 13:08 | 295.8 | 294.3 | 297.4 | 309.5 | 0.5789 | 0.6076 | 0.5465 | 0.5465 D-1 demand is 291.3 mc... |
| 14:06 | 296.8 | 294.3 | 296.4 | 309.5 | 0.5789 | 0.6076 | 0.5465 | |
| 15:09 | 296.8 | 294.3 | 296.5 | 309.5 | 0.5784 | 0.6071 | 0.546 | |
| 16:07 | 297.2 | 294.3 | 297.9 | 309.5 | 0.5767 | 0.6054 | 0.5443 | d-1 demand = 293.0mcm |
| 17:06 | 296.7 | 294.3 | 299.7 | 309.5 | 0.574 | 0.6027 | 0.5416 | |

Current Status

Time will be last updated time. All data will show on one line when edited as now.

Timescales

- ◆ Expected Timescales from xoserve are as follows.
 - ◆ Detailed Specification approval – 4th May
 - ◆ System Testing completion – 18th May
 - ◆ Business Testing completion – 25th May
 - ◆ Implementation – 10th June

- ◆ Any feedback on the proposed change before the specification is approved?