

Gemini Shipper Forum

8 June 2005

Agenda

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|--|---------------|
| 1. Introductions | Mark Nicolson |
| 2. Actions from last Shipper Forum Meeting | Mark Nicolson |
| 3. Early View API Trials Update | Sandra Kerr |
| 4. UCT Update | Mark Nicolson |
| 5. Shipper Trials Entry | Sandra Kerr |
| 6. MPLS Update | Andrew Baynes |
| 7. Disaster Recovery | Mark Nicolson |
| 8. Progress Summary | Mark Nicolson |
| 9. Next Steps | Mark Nicolson |
| 10.AOB | |

Gemini Shipper Forum
Actions from last Shipper Forum
8 June 2005

Mark Nicolson

Gemini Shipper Forum
Early View API Trials Update
8 June 2005

Sandra Kerr

Early View API Trials - Participation

- 20 organisations confirmed they would take part in API Trials
- Of these organisations, 13 actually tested their API's
- 3 organisations have decided not to use API's
- 4 organisations are not yet ready to build and test their API clients
- In addition, 5 other organisations have used API's during API Trials.
- 32 Shipper Short codes / 18 different organisations have used the on-line Gemini Screens.
- 13 Shipper Short Codes / 9 different organisations have used bulk download facilities.

Early View API Trials - Issues

- A total of 100 issues/clarifications have been raised during Early View API Trials
- 88 of these have been fixed, retested & closed
- 11 have been fixed & retested internally but remain in resolved status until retested by the end user.
- One issue was raised on 26/5/05 and therefore remains in “open” status
- The “open” issue will be fixed and deployed by the start of Shipper Trial.

Early View API Trials - Defects

- 28 Defects have been raised during Early View API Trials
- 11 relating to API's
- 14 Bulk Upload / Downloads
- 3 functional / screen related
- 25 defects have been fixed & deployed
- 1 API defect & 2 functional defects remain "open".
- The 3 "open" defects are planned to be fixed & deployed in time for the start of Shipper Trial.

Gemini Shipper Forum
UCT Update
8 June 2005

Mark Nicolson

UCT - Objectives

- To give Users confidence that the delivered system will support all business processes
- To prove the usability of the system
- To familiarise O&T Users in the use of Gemini, allowing meaningful review of business procedures

UCT - Progress

- Exit Capacity testing was completed successfully within original testing schedule for UCT and two-week period of Integrated User Confidence Testing (IUCT)
- The six faults raised in IUCT have been re-tested and closed
- Energy Balancing testing took longer than expected (an additional two weeks), essentially due to User familiarisation, the number of defects recorded and testing stoppages
- As a result of the scale of the defects found, it was decided that a further two-week period of testing be undertaken with the objectives of:
 - Resolving and re-testing outstanding defects from the end of the UCT/IUCT period
 - Running through the key business processes

UCT - Defects

Defects – Post UCT/IUCT			
	High Priority	Medium Priority	Low Priority
Closed	52	38	115
Still Open *	41	22	43
Defects – Additional 2-week Testing			
Closed	104	68	184
Still Open * †	5 (3)	9 (2)	17 (1)

* Includes resolved defects to be re-tested and signed off by Business Users

† Bracketed figures indicate number of defects to be cleared prior to Shipper Trials

UCT - Conclusions

- Business confidence in Exit Capacity and Energy Balancing is high going into Shipper Trials
- Testing will continue to resolve and close any Shipper Facing defects prior to entry to Shipper Trials

Gemini Shipper Forum
Shipper Trials Entry
8 June 2005

Sandra Kerr

Gemini Shipper Trials – Entry Criteria

- Early View API Trials completed
- UCT completed
- Participation Pack Issued
- Detailed Shipper Trial Plan Issued

Gemini Shipper Trials – Participation Pack

- Issued 26th May 2005
- Includes access instructions
- User id & password administration instructions
- Datacut information
- Detailed Shipper Trial Plan
- Support Arrangements

Gemini Shipper Trials – Detailed Plan

- Issued 26th May 2005
- Based on high level plans presented to SF in Feb 05
- Energy Balancing - 3 x 2 week cycles concentrating on target gas flow days
- No restrictions on entering noms/renoms in the plan
- 2 week contingency period from 25th July to 5th August
- Exit Capacity – Existing processes apply for CSEPs, Interconnector & DM Capacity Booking
- Exit Capacity Trading will be available throughout

Gemini Shipper Trials – Detailed Plan continued

- Entry Capacity Regression Testing 25th July to 5th August
- Daily Auctions will be run throughout this period
- ECBB will be run on 27th July
- MSEC will be run on 27th & 28th July
- High Volume Testing Day on 5th July
- Log on at 10am
- Output Nominations to be entered between 10am & 10.30am
- Demand Attribution will also be submitted at 10am
- Input Nominations to be entered between 2pm & 2.30pm
- PLEASE TAKE PART !

Gemini Shipper Trials – Support

- Two levels of support
- API support continues on existing support line (07767 890820)
- Functional support for all other queries on 01455 895648
- Support is available Monday to Thursday 9am to 5pm and Friday 9am to 4pm
- Additional support every other Monday (20th June, 4th & 18th July) until 7pm to support D-1 renomination process for target gas flow days
- Maintenance activities & code deployments are generally between 5.30pm and 7.30pm
- Web Forum will continue

Gemini Shipper Forum
MPLS Update
8 June 2005

Andrew Baynes

Testing

- Three phases of testing
 - Energis Labs
 - CSC / NGT Proof of Concept
 - NGT's network (use MPLS internally)
- Various Shipper / NGT Configurations tested
- Used Production lines into NGT Data Centres
- Fault found with Quality of Service (QoS) over some line configurations
- Failure now resolved and testing signed off

Migration

- Lines and Routers installed in Shipper data centres along-side existing Lines and Routers
- I'X Support Staff on-site for two hours
- One hour outage requested – though this includes testing time
- In practise outage duration ~10 minutes
- XP1 available during this outage, batch files queue automatically
- Cannot connect both Routers to Shipper network as use same IP address

Migration Contingency

- I'X Support Staff are available on-site after initial migration
- Can fail-back to existing links in ~10 minutes
- Existing links to be retained for one month after migration
- New and old I'X support arrangements remain the same – including SLAs

Roll Out

- Aim to migrate three Shippers per day where feasible
- Currently booking three time slots – 10am, 2pm, 5pm
- Would like to book sites in the same area on the same day where possible

Roll Out - Phase One

- Phase One Roll Out now started
- Initial Phase 42 Sites
- Sites in the Initial Phase have been contacted
- Phase One due to complete by 23 June
- Majority of Sites complete by start of Shipper Trials
- All Shippers will be able to start Shipper Trials on their I'X infrastructure

Roll Out - Phase Two

- Phase Two will upgrade remaining Shipper Sites
- Will commence after Phase One has completed – no parallel Roll Out
- Due to complete by mid / end September
- Draft implementation plan being constructed – should be available next week
- Shippers will be contacted individually to determine exact timings

Why MPLS?

- Old I'X Network consists of Point-to-Point links
- Expensive to run, difficult to upgrade
- No traffic prioritisation
- Managed service addresses these issues
- Using MPLS from Energis – other Energis customers include BBC, Hone Office, Tesco

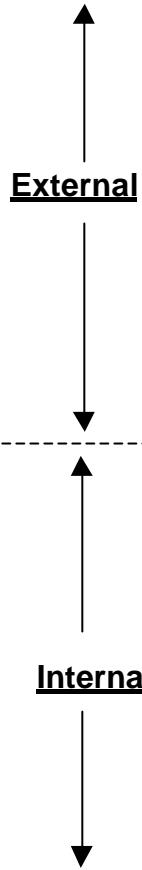
Available Support

- CSC coordinating and implementing upgrades
- Karen Ellis lead contact – kellis7@csc.com / 01455 892132
- Tim Perkin CSC PM – aperkin@csc.com / 07917 171844
- Andrew Baynes NGT PM – andrew.d.baynes@ngtuk.com / 07901 510799
- Tony O'Doherty NGT – tony.o'doherty@ngtuk.com / 0121 623 2120
- Kerry Austin NGT – kerry.austin@ngtuk.com / 0121 623 2242

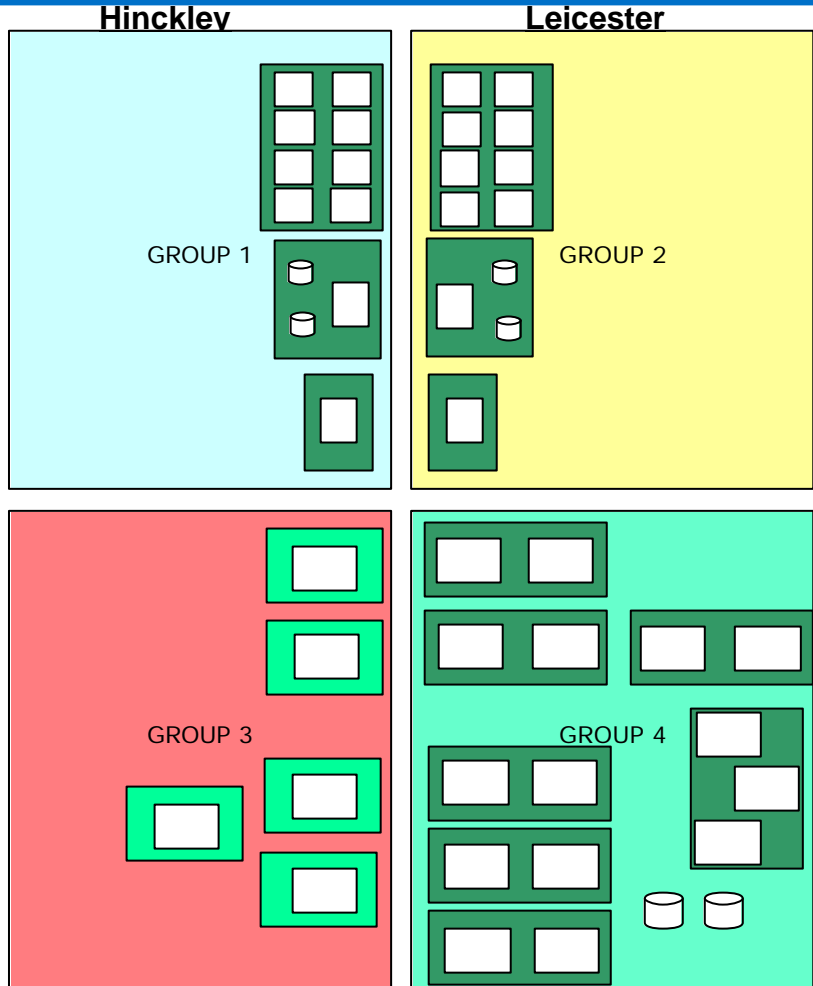
Gemini Shipper Forum
Disaster Recovery
8 June 2005

Mark Nicolson

DR “Quadrants”



Gemini dB



DR “Quadrants”

- Groups 1 & 2
 - External Production Stacks at Hinckley & Leicester
 - Mirror Images of one another
 - Failure of any service component will immediately fail-over to the service component at the other site
 - Total loss of either site fails over to other site
- Groups 3 & 4
 - Internal Production Stacks at Leicester which includes main Gemini dB
 - Contains same concept of service component mirror imaging but all at the same site
 - Further mirror image of service components retained at Hinckley as Warm Standby in case of total loss of Leicester

DR Testing of “Quadrants”

- Groups 1 & 2
 - Close down services at one site
 - Prove service available at other site
 - Succession of incremental tests being run at end of Housekeeping window (04:00 to 06:00)
 - Test 1 of 6 successful
 - Test 2 raised minor issues which are being fixed
 - Tests 3 to 5 being planned
 - No impact on Shipper activities

DR Testing of “Quadrants”

- Group 3 & 4
 - Service component fail-over within Leicester has been proven between the two mirror image components at this location
 - Total loss of Leicester, including Gemini dB, and failover to Warm Standby at Hinckley not production tested yet
 - This is Test 6 and will impact Shippers as needs extra 4 hours outage to fail-over and a further 4 hours to fail-back
 - Scheduled for 7th and 8th July 2005