



# Rough Order Magnitude (ROM) Request

Change Reference Number: XRN5247

Please send completed form to: <mailto:box.xoserve.portfoliooffice@xoserve.com>

Section A: Change Details	
Change Title	Gemini Bid Validation
Will the Change impact the UNC ( YES / NO )	TBC
MOD Reference (if raised)	TBC
Contact Details of Person Requesting the ROM	
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Section B: Xoserve Acknowledgement and Business Analyst Contact Details	
<i>(Xoserve Portfolio Governance will add)</i>	
ROM Received Date	
ROM Response date	
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Business Analyst Phone	0121 229 2226



# Rough Order Magnitude (ROM) Response

Type of ROM Evaluation									
<i>Initial Assessment for Potential Code Modification</i>									
The Proposed Change									
(Xoserve' s understanding of the Modification)									
<p><b>National Grid submitted the following:</b></p> <p><b>Context</b></p> <p>There have been a number of instances of Shippers querying capacity prices entered into Gemini in the last 6 months in capacity auctions. These have impacted other auction participants (via invoices) due to the neutrality processing as well as each query being investigated and there remains a risk of further issues occurring. Whilst it is the responsibility of Shippers to enter correct bid data, NG are seeking to reduce the current level of risk and explore system solutions that could support this.</p> <p>NG presented at the Sept 2020 Ops Forum to reiterate Shippers' responsibility to enter bid data correctly and remind them of the User and Shipper Preferences that allow for Bid Validation to be placed on the Method of Sale. It is currently the responsibility of Shippers to set up User/Shipper Preferences themselves, though we are unsure how many have put these in place.</p> <p>NG would therefore like to explore the options for both:</p> <p><b>Option A</b> preventing Shippers from placing bids in all short-term auctions until they have set up User/Shipper Preferences.</p> <p><b>Option B</b> – pre-populating the minimum reserve price in the Deal Capture Request screen(s) for Shipper Users on all short-term auctions.</p> <p>Short-term auctions defined as:</p> <table border="1"> <thead> <tr> <th>Gemini Entry</th> <th>Gemini Exit</th> </tr> </thead> <tbody> <tr> <td>DADSEC</td> <td>DADNEX</td> </tr> <tr> <td>WDDSEC</td> <td>WDDNEX</td> </tr> <tr> <td>DISEC</td> <td>DONEX</td> </tr> </tbody> </table> <p><i>Please note that the DBSEC and DBNEX auctions for Buy Back should not be limited for Shippers. Also note that for IP auctions, validation is managed in PRISMA and not on the Gemini platform.</i></p>		Gemini Entry	Gemini Exit	DADSEC	DADNEX	WDDSEC	WDDNEX	DISEC	DONEX
Gemini Entry	Gemini Exit								
DADSEC	DADNEX								
WDDSEC	WDDNEX								
DISEC	DONEX								

### Option A

NG would like a ROM for a change that would see application of **new/modification to existing functionality/logic** that would inhibit a Shipper from submitting bids in any short-term auction MoS until they have first set up User/Shipper preferences.

When an attempt is made to place a bid where no User/Shipper preferences have been set up a message would appear stating that the shipper needs to set up User/Shipper preferences for that MoS before being able to participate in placing bids for the auction.

The Shipper would be prevented from placing bids until the User/Shipper preferences functionality is in place.

Gemini should be able to determine whether a shipper has preferences set up for one MoS over another i.e. if preferences are set up on the WDDNEX but not the DADNEX, the warning only appears for the DADNEX.

This change would apply to all shippers, existing and new.

An audit trail/report record to confirm which Shippers have set up User/Shipper preferences would be required if no current functionality exists.

This Option would align to the modification proposal - MOD0745 – and would follow timescales in relation to this process.

### Option B

NG would like to explore the option whereby the minimum reserve price for all short-term auctions is pre-populated in the Deal Capture Request screen(s) for Shipper Users.

When submitting bids, the Shipper User would first be presented with the minimum reserve price in the field for bid-capture which would be pre-populated. The Shipper User would then have the option to overwrite the minimum reserve price value with their own value or keep the minimum reserve price.

If no changes are made to the BID PRICE it would remain at the minimum reserve price value.

Minimum reserve prices are referred to in the Transportation Charging Statement and values shall be supplied by National Grid to pre-populate these fields should we proceed with this option.

The relevant discount for Interruptible short-term auctions would be applied for the Shipper User in the pre-populated field.

The capacity value (kWh) field would not be pre-populated.

The Shipper User would still have the option to apply User/Shipper preferences to the Bid Capture process, the pre-population of all BID PRICE fields would apply even if validation preferences had been setup by the shipper.

### Xoserve's understanding is:

A ROM is required that estimates the costs involved to expand the existing User/Shipper Preferences functionality within the Gemini system.

This ROM considers two options:

- A. Introduce validation that blocks a User/Shipper from submitting bids until User/Shipper Preferences have been set
- B. Pre-populate the Bid Price using the minimum reserve price based on MoS

### Change Impacts

**General Impacts to Xoserve and External Parties:**

**Option A – Introduce validation that blocks a User/Shipper from submitting bids until User/Shipper Preferences have been set**

**Xoserve:**

- A code change will be needed in the Capacity Auction functionality such that the system validates whether a user has set User/Shipper Preferences for an MoS and only allows the user to submit bids if there is User/Shipper Preferences in place.
- Where a user fails the validation a warning message will be displayed to the user.

**External Parties:**

- Where a User/Shipper has already updated their User/Shipper Preferences there will be no impact.
- Where a User/Shipper has not already updated their User/Shipper Preferences they will need to do so else they will be unable to submit bids for the corresponding auctions.
- A user will continue to have the ability to change the BID VALUE and BID PRICE. The existing audit history facility will continue as is.

**Option B – Pre-populate the Bid Price using the minimum reserve price based on MoS**

**Xoserve:**

- A code change will be needed in the Bid Capture functionality such that a default value will be displayed as Bid Price. The default value will be the published Reserve Price setup per Auction

**External Parties:**

- Where a User/Shipper has already updated their User/Shipper Preferences there will be no impact. As the existing bid parameters will be utilised in future MoS instances.
- A Minimum Reserve Price will be auto populated in the Bid Capture screen. However, Capacity will not be auto populated.

**External Interface Impacts (Changes to Screens, Portals, Files, Permitted Values, etc.)**

No impacts to external interfaces however a change pack will be shared to explain the data/process changes being made.

**Impacts to Gemini System:**

**Option A – Introduce validation that blocks a User/Shipper from submitting bids until User/Shipper Preferences have been set**

- A code change will be needed in the Capacity Auction functionality such that the system validates whether a user has set User/Shipper Preferences for an MoS and only allows the user to submit bids if there is User/Shipper Preferences in place.
- Where a user fails the validation a warning message will be displayed to the user.

**Option B – Pre-populate the Bid Price using the minimum reserve price based on MoS**

- A code change will be required in the Bid Capture functionality in order to auto populate the Minimum Reserve Price as the Bid Price.
- The User/Shipper will be able to modify the Bid Price, if required.
- Bid Capacity will not be auto populated.

<p><b>Impacts UKL Manual Appendix 5b:</b></p> <p>None expected.</p>
<p><b>DSC Service Areas Impacted:</b></p> <p><b>Service Area 20:</b> UK Link Gemini System Services</p>
<p><b>Costs and Timescales</b></p>
<p><b>Change Costs (implementation):</b></p> <p><b><u>Option A – Introduce validation that blocks a User/Shipper from submitting bids until User/Shipper Preferences have been set</u></b></p> <p>An enduring solution will cost at least <b>£24,000</b>, but probably not more than <b>£35,000</b> to implement.</p> <p><b><u>Option B – Pre-populate the Bid Price using the minimum reserve price based on MoS</u></b></p> <p>An enduring solution will cost at least <b>£25,000</b>, but probably not more than <b>£30,000</b> to implement.</p>
<p><b>Change Costs (on-going):</b></p> <p>Neither option is expected to increase ongoing running costs.</p>
<p><b>Timescales:</b></p> <p><b><u>Option A – Introduce validation that blocks a User/Shipper from submitting bids until User/Shipper Preferences have been set</u></b></p> <p>The high level estimate to develop and deliver this change is approximately 8 - 12 weeks</p> <p><b><u>Option B – Pre-populate the Bid Price using the minimum reserve price based on MoS</u></b></p> <p>The high level estimate to develop and deliver this change is approximately 7 - 10 weeks</p>
<p><b>Assumptions:</b></p> <ul style="list-style-type: none"> <li>• End to end testing not required. Testing up to and including Bid Capture is accounted for.</li> <li>• Only Short Term auctions to be tested.</li> <li>• Only the BID VALUE upper limit and/or BID PRICE parameter will be set. No other preferences will be set by the system.</li> <li>• Option B assumes that the Minimum Reserve Price to be auto populated will be the Reserve Price set up using the Setup Price functionality that is published for each of the Short Term Auctions per day per NTS Entry Point</li> <li>• Costs are high level, based on high level analysis and assumed requirements.</li> <li>• Short term auctions for IP locations is out of scope.</li> <li>• User Trials is out of scope.</li> <li>• This ROM is based on the Gemini functionality currently in Production and does not consider any functional changes being introduced by inflight projects.</li> <li>• Joint testing between National Grid and Xoserve.</li> </ul>

- Change can be delivered using environments from the existing Gemini test estate.
- This ROM assumes the solution will be delivered as a standalone project.

**Dependencies:**

Availability of National Grid business resources to support delivery.

**Constraints:**

**Option A – Introduce validation that blocks a User/Shipper from submitting bids until User/Shipper Preferences have been set**

New preferences will need to be set up in the system every time there is a new MoS or location (ASEP/NTS Exit Point) or Shipper.

**Option B – Pre-populate the Bid Price using the minimum reserve price based on MoS**

Auction setup functionality provides an option to set up price as Before Bid Capture, Before Processing and Never. If Before Processing/Never option is chosen, Reserve Price may not be available during the Bid Capture Process.

**Observations:**

None.

**Document Version History**

Version	Status	Date	Author(s)	Summary of Changes

**Template Version History**

Version	Status	Date	Author(s)	Summary of Changes
2.0	Approved	22/05/18	Steve Gannev	Minor changes implemented
3.0	Approved	06/03/2019	Becky Perkins	Minor wording change