

**Rough Order of Magnitude (ROM) Analysis – follow-up**  
**for**  
**EVS 2257**  
**Proposed changes to the Enduring Annual NTS Exit (Flat)**  
**Capacity Application Window(s)**

This ROM is Xoserve’s response to the above Evaluation Service Request. The response is intended to support Networks involvement in the development of industry changes.

Should the request obtain approval for continuance then a Change Order must be raised for any further analysis / development.

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| <b>Network reference:</b>                          | not applicable              |
| <b>Xoserve reference:</b>                          | EVS 2257                    |
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| <b>Evaluation Service Follow-up Date Received:</b> | 17 <sup>th</sup> June 2011  |
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## Change Driver / Origin

National Grid Transmission (NGT) is undertaking an assessment of the implications of enabling User choice regarding the start date of Applications in the Annual Enduring NTS Exit (Flat) Capacity processes. The assessment, internal to NGT, includes the business processes, procedures and IS systems within Commercial, NTS Asset Management and Network Operations.

## Analysis

A previous Xserve ROM response, issued in April 2011, noted that:

1. Both the Annual Application Window and the Adhoc Application Window processes have been developed in Gemini with flexibility around the commencement date
2. The system can accommodate different months, provided commencement date is on the 1<sup>st</sup> day of the month
3. The commencement date is set by the User (i.e. NGT) during set-up
4. No system change is required, therefore development is believed to be at zero cost
5. Note: There are two reports (screens) which may potentially be impacted by the proposed business rule change. It is recommended that User Testing be carried out [by NGT] to confirm the existing reports meet Users requirements

NGT requested clarification of bullet (3), above, so to ensure the understanding, this was followed up with the Gemini team. Wipro have supported our analysis by carrying out some testing of a simple scenario, this included:

- Set-up of Enduring Annual Application with 5 NTS Exit Points, where Users could place monthly requests at each Exit Point
- Place Increase and Decrease Capacity requests for 1-2 Users at each Exit Point
- Place Increase requests starting in months other than October, i.e. April, May etc
- Allocate all requests and evaluate the reports generated as a result

## Conclusion

Testing of the simple scenario found that the existing functionality does allow for Users (i.e. Shippers, not NGT) to request different application commencement dates and transactions are processed correctly, as per original ROM response. It was also found that two Gemini reports (1 internal – NGT and 1 external – Shippers) are impacted and would need to be changed.

## Recommendation

It is strongly recommended that further Analysis and Testing be carried out to confirm whether the current functionality can process the most complex scenarios. The Analysis and Testing is referred to as Stage 1 throughout the ROM.

It is further recommended that enhancement of the 2 Gemini reports (screens), identified through the high level testing, should only proceed once Stage1 has been completed.

## ROM Costs & Timescales

*Note: ROM information is not based on any formal systems analysis and should be used with caution.*

**Please note that the following costs are the full User Pays costs.** The 'Project Costing Assumptions' sections explains what is included within these costs.

### **Stage1. Analysis and Testing only of current system for most complex scenarios**

#### **Estimated costs:**

The Analysis and Testing will cost at least **£56k**, but probably not more than **£96k**

#### **Estimated duration:**

Provision of an Evaluation Quotation Report (EQR) will take at least **2 weeks**, but probably not more than **3 weeks**, from the time that Xserve receives a Change Order

Provision of a Business Evaluation Report (BER), produced during an Analysis Phase, will take at least **6 weeks**, but probably not more than **8 weeks**, from the time that Xserve receives a Business Evaluation Order (BEO)

To carry out the Testing will take at least **6 weeks**, but probably not more than **8 weeks** from the time that Xserve receives a Change Authorisation

### **Stage2. System enhancement of Gemini screens (reports)**

#### **Estimated costs:**

The solution will cost at least **£72k**, but probably not more than **£94k**, to implement known report enhancements

#### **Estimated duration:**

Provision of an Evaluation Quotation Report (EQR) will take at least **2 weeks**, but probably not more than **3 weeks**, from the time that Xserve receives a Change Order

Provision of a Business Evaluation Report (BER) will take at least **6 weeks**, but probably not more than **8 weeks**, from the time that Xserve receives a Business Evaluation Order (BEO).

Delivery; including detailed analysis (including BUCs and SUCs), build, test, implementation and post implementation support; will take at least **15 weeks**, but probably not more than **18 weeks** from the time that Xserve receives a Change Authorisation.

**NB.** The costs / timescales will increase if the need for further system enhancements are identified during Stage1

**The following sections in the ROM are applicable to both options, unless expressly stated otherwise**

#### **Timescale guidance:**

- The existing programme of Gemini change (i.e. Exit Reform and Gemini Re-Platforming) must be taken into consideration as there will be an impact on delivery
- Delivery and planning prioritisation would be determined at the Gemini Programme Steering Group Meeting
- Timescale [and cost] efficiencies may be gained by combining Stage 1 and Stage 2 into one change

#### **Project costing assumptions:**

- It is assumed that the Analysis & Testing (Stage1) will capture the complex scenarios, identify affected screens and processes (if any), and (if required) confirm the technical design as a basis for robust costing and implementation planning.
- Provision of the EQR will not incur external costs
- The estimated costs, above, are the full costs for an analysis & testing project (Stage1) and development project (Stage2)
- All costs include a 6% uplift which is assumed to be appropriate for User Pays costs
- NGT project support costs are included, at the agreed rate of 17% of analysis and testing / development costs

**Funding assumptions:**

- Project costs would initially be borne by NGT, but it is envisaged that they will recover these costs via the relevant User Pays service charge

**Xoserve cost estimates included:**

- Xoserve Project Team costs to support project delivery
- Xoserve Operations Team costs to support project delivery
- Detailed analysis phase
- Stage2 - Enhancement of relevant screens (reports) identified through high-level testing of the simple scenario

**Xoserve cost estimates not included:**

- The following costs are not expected to be significant enough to require extra funding; Code-IS
- environment costs
- Stage2 - Development costs to address any further issues/problems arising from the Analysis and Testing (Stage1)

**Customer costs not included:**

- None identified

**Assumptions**

- Existing Gemini functionality can facilitate differing commencement dates for Enduring Annual/Adhoc NTS Exit (Flat) Capacity
- Development costs to address further issues / problems (if any) will be an output of the Analysis & Testing project (Stage1)
- Analysis and testing of the complex scenarios (Stage1) will be completed before proceeding with the project to fix the reports (Stage2) plus any further issues/problems (if any), identified during Stage1

**Concerns**

- Stage1 - Analysis and Testing of the complex scenarios may detect the need for [significant] Gemini system change

**Impacts on Xoserve**

- None identified

**Impacts on National Grid Transmission**

- NGT would be able to offer a flexible product which meets Shippers requirements
- Improved planning capability and capacity management
- Gain incremental efficiencies within NTS Asset Management and Network Operations

**Impacts on Users (i.e. Distribution Networks & Shippers)**

- Distribution Network Operators and Shippers will have improved Enduring Exit Capacity planning capability