

NETA Change Form

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| Title | | Version No. |
| Alternative P198 Introduction of a Zonal Transmission Losses Scheme | | 0.3 |
| | | LogicaCMG Reference |
| | | ICR726 |
| ELEXON Reference | Date CP Received | Date IA Issued |
| Alternative P198 | 30 May 2006 | 12 June 2006 |
| LogicaCMG Contact Name | Baseline for Impact Assessment | |
| Gemini Carrington | Requirements Specification for Alternative Modification P198 version 1.0, dated 30 May 2006 [P198Alt_AS] | |
| Price Breakdown | | |
| Item description | Remarks | Price Change from P198 v0.2 (ex VAT) |
| Change Specific | Potential Alternative 1 | |
| | Manual Option 1 | £ 0 |
| | Option 2 | £ 0 |
| | Option 3 | £ 0 |
| | Scripted Options 1-3 | £ 7,102 |
| | Potential Alternative 2 | £ 0 |
| Fixed Release Costs | Potential Alternative 1 | |
| | Manual Option 1 | £ 0 |
| | Option 2 | £ 0 |
| | Option 3 | £ 0 |
| | Scripted Options 1-3 | £ 0 |
| | Potential Alternative 2 | £ 0 |
| Total Price (ex VAT) | Potential Alternative 1 | |
| | Manual Option 1 | £ 0 |
| | Option 2 | £ 0 |
| | Option 3 | £ 0 |
| | Scripted Options 1-3 | £ 7,102 |
| | Potential Alternative 2 | £ 0 |
| Price Tolerance | | 0% |
| Justification for Price Tolerance | | |
| N/A | | |
| Project Duration | | 8 weeks |
| Cut Off Date for Inclusion in Specified Release (if applicable) | | |
| N/A | | |

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| Operational Price (e.g. per annum or event) (ex VAT) | Potential Alternative 1 | |
| | Manual Option 1 | £ 1,380 additional per annum |
| | Manual Option 2 | £ 255 additional per annum |
| | Manual Option 3 | £ 3,405 additional per annum |
| | Scripted Options 1-3 | £ -1,095 less per annum |
| | Potential Alternative 2 | £ 0 |
| Rationale | | |
| Registration of BM Unit-specific TLF for each Season or Quarter of forthcoming BSC year. These are shown as a change in cost from P198 v0.2 price of £ 1,095 per annum (for annual TLF input). | | |

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| Annual Maintenance Price (ex VAT) | £0 |
| Rationale | |
| The Annual Maintenance Price is zero under the agreement commencing on 1 January 2005. | |

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| Validity Constraints | |
| <ul style="list-style-type: none"> All prices shown are in addition to the prices shown for P198 v0.2 dated 6th March 2006. Price and duration assume that this change is performed against the SAA & CRA baseline as at 27 February 2006. Price and duration assume that this change is developed in isolation and the effects of other changes are excluded. No allowance is included for the final solution being different from the baseline. No allowance is included for supporting Release Audit activities. Any effort will be charged at contracted T&M rates No allowance is included for supporting ELEXON assurance activities. Any effort will be charged at contracted T&M rates No allowance is included for End to End/Participant Testing activities. Any effort will be charged at contracted T&M rates No allowance is included for Walkthrough activities. Any effort will be charged at contracted T&M rates No allowance is included to support ELEXON in parallel run testing activities <p>The validity period for this quote is 30 days and the offer is based on the following payment schedule:</p> <ul style="list-style-type: none"> LogicaCMG will invoice 30% on receipt of Purchase Order or authorised start of work, 30% on completion of first build phase, 30% on live implementation and 10% on successful completion of the Success Criteria or one month after live implementation, whichever is sooner Operate charge invoicing will be deferred until the de minimis limit has been reached | |
| Authorised Signature | Date Signed |
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| Requirements and Solution |
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| Brief Summary of Change |
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P198 seeks to spread the cost of transmission more fairly across participants by applying transmission charges on a zonal basis rather than a uniform system wide basis.

In the Requirements Specification for Alternate Modification P198 we have been asked to consider two potential alternatives:

1. Ex-ante calculation (Seasonal TLFs)
2. Linear phased implementation (of annual or seasonal TLFs).

Alternative 2 has no impact on LogicaCMG's systems. Alternative 1 was clarified and three specific options to consider were received by email from Kathryn Coffin of ELEXON (on 06th June 2006). These Options are listed below.

Option 1: Leave applicable period as the BSC Year (1 April - 31 March)

Under this option, there would effectively be 5 TLF values per BM Unit in each BSC Year, with the following start and end dates:

- Spring TLF 1 (1 April - 31 May);
- Summer TLF (1 June - 31 August);
- Autumn TLF (1 September - 30 November);
- Winter TLF (1 December - 28/29 February); and
- Spring TLF 2 (1 March - 31 March).

Note that Spring TLF 1 and Spring TLF 2 would be the same value (i.e. the same number), though we would have to divide this in two, due to the need to have start and end dates within a particular BSC Year.

Option 2: Use different applicable period tied to BSC Seasons

Under this option, the applicable period for each TLF would be from 1st March, 1st June, 1st September or 1st December (i.e. implementation and the annual calculation would be tied to one of the BSC Seasons) with there being 4 TLF values per year aligned with existing CALF data.

This approach would also require a different duration for the Reference Year in the TLF calculation, though there is no impact to LogicaCMG.

Option 3: Use quarters rather than BSC Seasons

Under this approach, the applicable period for TLFs would still be a BSC Year (1 April - 31 March) - but the BSC Year would be subdivided into quarters ('TLF Seasons'), such that none of these quarters overlapped the start of the BSC Year. These would therefore be different to BSC Seasons, and the exact date ranges would need to be decided by ELEXON.

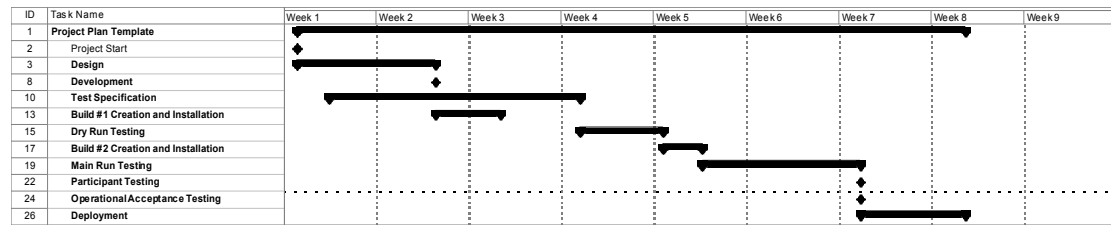
There would therefore be four TLF values per BM Unit in each BSC Year - one for each of the 'TLF Seasons'.

| LogicaCMG's Proposed Solution | | | | | |
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| <p>The Alternative Modification P198 specifies 3 options for the entry of seasonal TLF Data.</p> <p>For consistency with P198 we have provided manual entry prices for the additional work above that in P198. However as all these options involve the input of at least 4 times as many TLF values (and in the case of option 1, five times as many) we no longer consider the manual approach to be optimal.</p> <p>A scripted approach (which carries the same cost for all three options) has been assessed and this would require the following tasks:</p> <ul style="list-style-type: none"> • IDD Part 2 CRA-I029 manual interface - specify the CSV data format of the manual flow. • CRA OSM to reflect the script loading process. • Design and develop scripts to validate, load and verify the TLF data, and to log errors/warnings where found. • Perform Unit Tests for the new loading process. <p>The scripted option would not incur any operational costs for TLF input, whilst adding increased validation and removing the possibility of manual input errors.</p> | | | | | |
| Deviation from ELEXON's Solution / Requirements | | | | | |
| None | | | | | |
| Operational Solution and Impact | | | | | |
| None | | | | | |
| Testing Strategy | | | | | |
| Unit | X | Change Specific | X | End to End | |
| Module | | Operational Acceptance | | Participant Testing | |
| System | | Performance | | Parallel Running | |
| Regression | | Volume | | Deployment/ Backout | |
| Other: | | | | | |
| No further system testing above that identified for P198 V0.2 would be required. | | | | | |
| Validated Assumptions | | | | | |
| <p>P198 base functionality is identical to P82.</p> <p>The solution assumes that any seasonal TLF will be entered in time for that season and not immediately it is received.</p> | | | | | |
| Outstanding Issues | | | | | |
| None | | | | | |

| Changes to Service | | | | | | | |
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| Services Impacted | | | | | | | |
| | BMRA | CDCA | CRA | ECVAA | SAA | TAA | Other |
| Software | | | X | | | | |
| IDD Part 1 (Docs) | | X | X | | | | |
| IDD Part 1 (S'heet) | | | | | | | |
| IDD Part 2 (Docs) | | X | X | | | | |
| IDD Part 2 (S'heet) | | | | | | | |
| URS | | X | X | | | | |
| SS | | | | | | | |
| DS | | | | | | | |
| MSS | | | | | | | |
| OSM | | | X | | | | |
| LWIs | | | | | | | |
| RTP | None | | | | | | |
| Comms | None | | | | | | |
| Other | None | | | | | | |
| Nature of Documentation Changes | | | | | | | |
| See "LogicaCMG's Proposed Solution" | | | | | | | |
| Nature / Size of System Changes | | | | | | | |
| None | | | | | | | |
| Deployment Issues, e.g. Outage Requirements: | | | | | None | | |
| Impact on Service Levels: | | | | | None | | |
| Impact on System Performance: | | | | | None | | |
| Responsibilities of ELEXON | | | | | | | |
| Within reasonable levels, ELEXON will make available appropriate staff to assist LogicaCMG during the development of this change. | | | | | | | |
| Acceptance Criteria | | | | | | | |
| This is covered by the acceptance criterion 2 in the "CVA Program – Release Acceptance Criteria" document for the Feb03 Release. | | | | | | | |

Any Other Information

Indicative Plan



Attachments

P198 (Alternative) Price Presentation v0.3.xls