

NDD Performance Management Manual

Appendix E

ASC Contract Extension Metrics and OPI

PERFORMANCE MANAGEMENT MANUAL

APPENDIX E

ASC CONTRACT EXTENSION METRICS AND OPI

CONTENTS AMENDMENT SHEET

Amend. No.	Issue Date	Amendments	Initials	Date
0	May 11	First Issue	TW	11/5/11

PMM App E.1 Operation Performance Index (OPI) Matrix

The Operation Performance Index is an overall measure of *Provider* performance to be calculated at regular intervals. The OPI is a weighted sum of several individual performance measures independent of the ASC Performance Management Framework (or similar) although some measures may be the same or similar.

The individual measures that make up the OPI include:

Table PMM App E.1 OPI Aspects and Weightings

	Service Area	Description	Weighting (100)
1	We provide a service that our customers can trust	Incidents are cleared rapidly	5
2	We provide a service that our customers can trust	Minimising the lane space devoted to works and keeping a high percentage of the network available	7.5
3	We set the standard for delivery	QMS Performance (QMPs)	12.5
4	We set the standard for delivery	Number of Compensation Events raised by the <i>Provider</i> which are rejected by the <i>Service Manager</i>	5
5	We set the standard for delivery	Close correlation between predicted duration of design and construction periods	5
6	We set the standard for delivery	Close correlation between target cost and actual cost of Schemes	5
7	We set the standard for delivery	Quality management reporting delivered on time	2.5
8	We set the standard for delivery	High quality asset data fit for its intended purposes entered into the relevant asset database in a timely manner	2.5
9	We set the standard for delivery	Lean	5
10	Our roads are the safest in the world	Number of AMOR performance targets meeting or exceeding threshold	17.5
11	Our roads are the safest in the world	Appropriate precautionary treatment provided	7.5
12	Our roads are the safest in the world	Lane availability maximised during severe weather	7.5
13	Our roads are the safest in the world	Road Worker Safety	5
14	We deliver sustainable solutions	Site waste management plan compliance	2.5
15	Our network is a dynamic and resilient asset	Inspection Management Programme delivered	5
16	Our network is a dynamic and resilient asset	Quality of product	5

PMM App E.2 OPI Aspects Scoring Methodology

Table PMM App E.2 OPI Aspects Scoring Methodology

Aspect	Description	Evidence	Green	Amber	Red
1	We provide a service that our customers can trust – Incidents are cleared rapidly	Demonstrate - Incidents are cleared rapidly Measure - AMOR Part 3 and Table 3.1 Evidence - Incident management records and/or <i>Provider</i> -initiated Operational Data	100% compliance with AMOR Table 3.1 Performance Metrics 1, 2 and 3 since last OPI review	>= 90% compliance with AMOR Table 3.1 Performance Metrics 1, 2 and 3 since last OPI review	<90% compliance with AMOR Table 3.1 Performance Metrics 1, 2 or 3 since last OPI review
2	We provide a service that our customers can trust – Minimising the lane space devoted to works and keeping a high percentage of the network available	Demonstrate - Network availability is maximised Measure - AMOR Part 2 SRW Performance Indicators (PI) 1, 2 and 3a	100% compliance with AMOR Part 2 SRW: • PI 1 and • PI 2 and • PI 3a Since last OPI review	>=90% compliance with AMOR Part 2 SRW: • PI 1 and • PI 2 and • PI 3a Since last OPI review	<=90% compliance with AMOR Part 2 SRW : • PI 1 or • PI 2 or • PI 3a Since last OPI review
3	We set the standard for delivery – Quality Management System Performance (QMPs)	Demonstrate - Performance of the <i>Provider's</i> Quality Management System (QMS). Measure - Quality Management Points accrued for a range of QMS failures, whether arising from audits by the <i>Provider</i> , <i>Service Manager</i> or relevant certification body reported in the NDDD Performance Report. Evidence - Quality Management Points (Conditions of Contract Section 4 and Contract Data Section 4.1 – Quality Table) - NDDD Performance Report	Sum of Quality Management Points earned since last OPI review plus previously earned Points without an approved action plan total <=10	Sum of Quality Management Points earned since last OPI review plus previously earned Points without an approved action plan total <=25	Sum of Quality Management Points earned since last OPI review plus previously earned Points without an approved action plan total >25
4	We set the standard for delivery – Number of Compensation Events raised by the <i>Provider</i> which are rejected by the <i>Service Manager</i>	Demonstrate - The <i>Provider</i> is seeking only valid compensation event claims Evidence - <i>Service Manager</i> Compensation event records	No compensation events rejected since last OPI review	1 compensation event rejected since last OPI review	>=2 compensation events rejected since last OPI review
5	We set the standard for delivery –	For ALL Capital Schemes Demonstrate	Net time of all <i>Time Qualifying Schemes</i> is 5% or more below the predicted time	Net time of all <i>Time Qualifying Schemes</i> is on or below predicted time by less than 5%	Net time of all <i>Time Qualifying Schemes</i> is above predicted time

Aspect	Description	Evidence	Green	Amber	Red
	Close correlation between target duration and actual duration of Schemes	<p>- Meeting the HA Strategic Goal of setting the standard for delivery in relation to target time and actual time for Schemes that have completed design or construction (in current ¼ Contract Year and preceding ¾ Contract Year). These are termed <i>Time Qualifying Schemes</i>.</p> <p>Evidence - Available supporting evidence at <i>milestones</i> 1, 2, 5 and 6. See PMM App E Annex 1.</p> <p>Measure - <i>Total Percentage Time Variance</i>: Net time over all <i>Time Qualifying Schemes</i> for both design and construction phases as a percentage of total planned construction duration</p>			
6	<p>We set the standard for delivery –</p> <p>Close correlation between target cost and actual cost of Schemes</p>	<p>For ALL Capital Schemes</p> <p>Demonstrate - Meeting the HA Strategic Goal of setting the standard for delivery in relation to target cost and actual costs for Schemes in progress or completed (in current ¼ of Contract Year and preceding ¾ of Contract Year). These are termed <i>Cost Qualifying Schemes</i>.</p> <p>Evidence - Available supporting evidence at <i>milestones</i> 1, 3 and 7. See PMM App E Annex 2.</p> <p>Measure - <i>Total Percentage Cost Variance</i>: Net cost over all <i>Cost Qualifying Schemes</i> at either <i>milestone</i> 3 or <i>milestone</i> 7 versus predicted costs at <i>milestone</i> 1.</p>	Net costs of all <i>Cost Qualifying Schemes</i> is 5% or more below the predicted costs	Net costs of all <i>Cost Qualifying Schemes</i> is on or below predicted costs by less than 5%	Net costs of all <i>Cost Qualifying Schemes</i> is above predicted costs
7	<p>We set the standard for delivery –</p> <p>Quality management reporting delivered on time</p>	<p>Demonstrate - All <i>Provider</i>-initiated reports produced as required and in accordance with Annex 19.</p> <p>Evidence - All reports produced as required by Annex 19 since last OPI review - Where appropriate, evidence of recommendations for further actions</p>	100% of reports required by Annex 19 since the last OPI review delivered on time and to the required quality	>=90% of reports required by Annex 19 since the last OPI review delivered on time and to the required quality	<90% of reports required by Annex 19 since the last OPI review delivered on time and to the required quality
8	<p>We set the standard for delivery –</p> <p>High quality asset data, fit for purpose, entered into the</p>	<p>Demonstrate - High quality asset data fit for its intended purpose entered in the relevant asset database in a timely manner.</p> <p>Measure</p>	100% of database updates since the last OPI review completed within required timeframe and accuracy.	>=90% of database updates since the last OPI review completed within required timeframe and accuracy.	<90% of database updates since the last OPI review completed within required timeframe and accuracy.

Aspect	Description	Evidence	Green	Amber	Red
	relevant asset database in a timely manner	<p>- Compliance with the Asset Data Management Manual <i>Provider</i> Requirements and Annex 25</p> <p>Evidence</p> <ul style="list-style-type: none"> - Date of completion for all Schemes on site - As-Built records for all Schemes - Survey results prior to being loaded into the relevant asset database - Inspection records prior to being loaded into the relevant asset database - Evidence of changes in the relevant asset databases for all Schemes - Manage Asset Data Annex 24 Sub Process(s) in the <i>Provider's</i> Quality Management Plan 			
9	<p>We set the standard for delivery –</p> <p>Lean</p>	<p>Demonstrate</p> <ul style="list-style-type: none"> - Efficiency savings are generated as tendered. <p>Evidence</p> <ul style="list-style-type: none"> -<i>Provider</i> Tender Contract Data Part 2 <p>Note</p> <ul style="list-style-type: none"> - This metric will only be able to be scored once a year. That score should remain in place until the following year. 	Lump sum annual discount >= percent tendered + 1%	Lump sum annual discount < percent tendered + 1%	N/A
10	<p>Our roads are the safest in the world –</p> <p>Number of AMOR performance targets meeting or exceeding threshold</p>	<p>Demonstrate</p> <ul style="list-style-type: none"> - AMOR Performance Requirement Levels are being met. <p>Evidence</p> <ul style="list-style-type: none"> - Contractor inspection summaries. <p>Note</p> <ul style="list-style-type: none"> - If the <i>Provider</i> cannot demonstrate compliance with a Performance Requirement Level then the Level is assumed to be failed. 	All AMOR Performance Requirement Levels are met since last OPI review	<=6 AMOR Performance Requirement Levels failed since last OPI review	>6 AMOR Performance Requirement Levels failed since last OPI review
11	<p>Our roads are the safest in the world –</p> <p>Appropriate precautionary treatments provided</p>	<p>Demonstrate</p> <ul style="list-style-type: none"> - Precautionary treatments delivered within the response and treatment times specified in Severe Weather Plan <p>Evidence</p> <ul style="list-style-type: none"> - WRF 1 - Precautionary treatment records (part of WRF1) - HA's winter fleet data logging system 	100% of precautionary treatments delivered in accordance with Severe Weather Plan since last OPI review	>=90% of precautionary treatments delivered in accordance with Severe Weather Plan since last OPI review	<90% of precautionary treatments delivered in accordance with Severe Weather Plan since last OPI review
12	<p>Our roads are the safest in the world –</p> <p>Lane availability maximised</p>	<p>Demonstrate</p> <ul style="list-style-type: none"> - Lane availability is maximised during severe weather conditions 	100% lane availability maintained in accordance with Severe Weather Plan since last OPI review	>=95% lane availability maintained in accordance with Severe Weather Plan since last OPI review	<95% lane availability maintained in accordance with Severe Weather Plan since last OPI review

Aspect	Description	Evidence	Green	Amber	Red
	during severe weather	Evidence -Severe Weather Plan -Lane availability during severe weather conditions			
13	Our roads are the safest in the world – Road Worker Safety	Demonstrate - <i>Provider</i> constantly strives to minimise accidents Measures - PMM App E Annex 3 Site Safety - SS01(A) - Annual SS01(A) target set by HA Board	SS01(A) <= Annual SS01(A) target (i.e. Better than annual target)	SS01(A) <= twice Annual SS01(A) target	SS01(A) > twice Annual SS01(A) target (i.e. Significantly worse than annual target)
14	We deliver sustainable solutions – Site waste management plan compliance	Demonstrate - Delivery of Site Waste Management Plan (SWMP) in accordance with current legislation Evidence - Active Site Waste Management Plans - Quality system records	Compliance with all SWMP requirements since last OPI review	Compliance with all but two SWMP requirements since last OPI review	Failure to comply with three or more SWMP requirements since last OPI review
15	Our network is a dynamic and resilient asset – Inspection Management Programme delivered	Demonstrate - Inspection Management Programme documented and operating - All inspections in accordance with the Maintenance Requirements Plan - Opportunities to combine inspections at the same time as works are maximised to reduce network closures - Escalation of findings in accordance with the ASC Part 0. Evidence - Maintenance Requirements Plan - Inspection records	All inspections required by Maintenance Requirements Plan since last OPI review undertaken and recorded	>= 95% of inspections required by Maintenance Requirements Plan since last OPI review undertaken and recorded	< 95% of inspections required by Maintenance Requirements Plan since last OPI review undertaken and recorded
16	Our network is a dynamic and resilient asset – Quality of Product	Demonstrate - Work which the <i>Provider</i> has undertaken is defect free throughout the Contract period Evidence -Quality system records - <i>Provider's</i> Routine and Planned Maintenance System -SRW -HAPMS Note - Defects are deemed to be as a result of the <i>Provider's</i> workmanship unless proven otherwise by the <i>Provider</i> i.e. accident site, normal deterioration.	The number of unplanned defect repairs requiring traffic management since last OPI review within Scheme areas constructed since Contract commencement = 0	The number of unplanned defect repairs requiring traffic management since last OPI review within Scheme areas constructed since Contract commencement <= 2	The number of unplanned defect repairs requiring traffic management since last OPI review within Scheme areas constructed since Contract commencement > 2

PMM App E.3 OPI Calculation Method

The OPI is a weighted sum of individual aspect RAG scores. With reference to Table PMM App E.2 each aspect is to be scored either: red; amber; or green. Once each aspect is scored the overall OPI Score can be calculated as follows:

$$OPI = \sum_{i=1}^{16} RAG_i \times Weighting_i$$

Where

$$RAG_i = \begin{cases} -6.00, & RED \\ 1.00, & AMBER \\ 1.40, & GREEN \end{cases}$$

$Weighting_i$ = Table PMM App E.1

A simulation of the likely score to be gained from the OPI methodology has been undertaken. To gauge average performance the proportion of red, amber and green Aspects for all Managing Agent Contractors (MAC) from the MAC Performance Management Framework (PMF) version 5 for a four month period to January 2011 were calculated.

A number of simulations using the OPI aspects and the measured proportion of red, amber and green Aspects, as described above, were trialled from which it was observed that there is approximately 50% likelihood of a score > 120 and approximately 20% likelihood of a score < 80.

It should be noted that this simulation is only approximate as the metrics used in the OPI differ from those used in the MAC PMF version 5. Despite this difference it does show a bias towards awarding contract extension should performance be better than average.

PMM App E Annex 1 - Efficient Service – Close correlation between target duration and actual duration of Schemes

This metric measures the accuracy of time predictions on all Capital Schemes. The metric is designed to reflect the impact on customers and the HA of *milestones* in the process of design and construction of these Schemes not being achieved at predicted times.

Milestone Description

A series of *milestones* throughout the Scheme are identified as defined in PMM App E Annex 4 - Time and Cost Phases for Duration and Cost Metrics.

1. Commitment to detailed design – dates to be agreed by 31 March
2. Completion of detailed design
3. Agreement of Cost (Cost metric only)
4. Agreement of predicted start and finish dates
5. Actual start of Construction
6. Actual Completion of Construction
7. Agreement of final account at first valuation after completion (Cost metric only)

Measures

<i>Total Percentage Time Variance (TPTV)</i>	Net time over all <i>Time Qualifying Schemes</i> for both design and construction phases as a percentage of total planned construction duration
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Definitions

<i>Scheme Cost</i>	The sum of all money managed by the <i>Provider</i> on behalf of the HA – including design, construction, statutory undertakers etc. This will not include land costs.
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<i>Time Qualifying Scheme</i>	Scheme which has completed its design and/or construction phase in the current $\frac{1}{4}$ of a Contract Year or preceding $\frac{3}{4}$ of a Contract Year
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<i>Design Variance</i>	Variance between actual date at <i>milestone 2</i> , compared to date at <i>milestone 2</i> as predicted at <i>milestone 1</i> .
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<i>Construction Variance</i>	Variance between duration <i>milestone 5</i> to <i>milestone 6</i> as predicted at <i>milestone 4</i> , compared to actual duration <i>milestone 5 – milestone 6</i>
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<i>Measure Period</i>	Rolling 12 months (current $\frac{1}{4}$ Contract Year and the preceding $\frac{3}{4}$ of a Contract Year, or year to date if less than 12 months' data exists)
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<i>All Parties</i>	HA, Designer/Project Manager, Constructor(s), <i>Provider</i> , RTMC and Supply Chain.
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<i>Milestones</i>	All <i>Milestones</i> are defined in PMM App E Annex 4 - Time and Cost Phases for Duration and Cost Metrics.
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Scheme Data Flow

As part of preparing the annual programme, covering works funded for each financial year, a record for each Scheme is produced and relevant details recorded, including project details and the predicted date for completion of detailed design (*milestone 1*).

When detailed design is completed relevant details are recorded and the variation from the prediction is calculated and recorded (*milestone 2*).

Similarly, when all parties agree the construction dates – (during *milestone 4*) – the predictions for the start date for construction and completion date for construction, and therefore the construction duration are recorded.

The actual dates for Start and End of Construction are promptly recorded as they occur and at the End of Construction the construction duration is calculated and entered into the records (*milestone 5 & 6*)

Metric Calculation

Individual Scheme data is then summarised to calculate the metric.

Compensation events will affect the actual recorded dates but the predicted dates will not be amended to reflect compensation events. i.e. compensation events which affect the duration of a Scheme will have a negative effect on the result.

Until data is available for 12 months, the indicators are reported as Year to Date (YTD).

Notes:

- We are interested in the variance in predicted versus actual design completion and construction duration
- *Time Qualifying Schemes* are those which have completed their design and/or construction phase in the current $\frac{1}{4}$ of a Contract Year or preceding $\frac{3}{4}$ of a Contract Year
- For each *Time Qualifying Scheme* the sum of *Design Variance* and *Construction Variance* will be calculated and referred to as *Time Variance*
- These will be totalled for all *Time Qualifying Scheme* to arrive at a *Total Time Variance*
- The sum of all *Time Qualifying Schemes*' planned construction duration will be calculated and referred to as *Baseline Scheme Duration*
- The *Total Time Variance* will be divided by the *Baseline Scheme Duration* to arrive at a *Total Percentage Time Variance* used to score this metric for the OPI.

Data Source

Provider records.

Data Input for individual projects (Frequency / Reporting Period: Latest Contract quarter for all new data)

Field		Type	Calculation	Decimals	Range
Predicted date for completion of detailed design as made at <i>milestone 1</i> .	(A)	Integer		0	Any date
Actual date for completion of detailed design (<i>milestone 2</i>).	(B)	Integer		0	Any date
Predicted date for start of construction as made at <i>milestone 4</i> .	(C)	Integer		0	Any date
Actual date for start of construction (<i>milestone 5</i>).	(D)	Integer		0	Any date
Predicted date for completion of construction as made at <i>milestone 4</i> .	(E)	Integer		0	Any date
Actual date for completion of construction (<i>milestone 6</i>).	(F)	Integer		0	Any date
<i>Planned Construction Duration</i>	(G)	Calculation	(E-C)	0	0-1000
<i>Actual Length of Construction</i>	(H)	Calculation	(F-D)	0	0-1000
<i>Design Variance</i>	(I)	Calculation	(B-A)	0	0-1000
<i>Construction Variance</i>	(J)	Calculation	(H-G)	0	0-1000
<i>Time Variance</i>	(K)	Calculation	I+J	0	0-1000
<i>Baseline Scheme Duration</i>	(L)	Calculation	ΣG	0	0-1000
<i>Total Time Variance</i>	(M)	Calculation	$\Sigma I + \Sigma J$	0	0-1000

Overall Calculation

Measure	Type	Calculation
<i>Total Percentage Time Variance (TPTV)</i>	Percentage	For all <i>Cost Qualifying Schemes</i> : (M/L)*100

Note: Σ = the aggregation of input data for the current $\frac{1}{4}$ of a Contract Year and the preceding $\frac{3}{4}$ of a Contract Year.

PMM App E Annex 2 - Efficient Service – Close correlation between target cost and actual cost of Schemes

This metric measures the accuracy of cost predictions on all Capital Schemes. The metric is designed to reflect the impact on customers and the HA of changes in predictions and costs during the different phases of design and construction of these Schemes.

Milestone Descriptions

A series of *milestones* throughout the Scheme are identified as defined in PMM App E Annex 4 - Time and Cost Phases for Duration and Cost Metrics.

1. Commitment to detailed design – dates to be agreed by 31 March
2. Completion of detailed design
3. Agreement of Cost
4. Agreement of predicted start and finish dates
5. Actual start of Construction
6. Actual Completion of Construction
7. Agreement of final account at first valuation after completion

Measure

Total Percentage Cost Variance (TPCV) Net cost over all *Cost Qualifying Schemes* at either *milestone 3* or *milestone 7* versus predicted costs at *milestone 1*.

Definitions

<i>Scheme Cost</i>	The sum of all money managed by the <i>Provider</i> on behalf of the HA – including design, construction, statutory undertakers etc. This will not include land costs.
<i>Cost Qualifying Scheme</i>	Scheme which has moved from milestone 1 to either milestone 3 or milestone 7 in the current quarter or preceding 3 quarters
<i>Measure Period</i>	Rolling 12 months (current $\frac{1}{4}$ Contract Year and the preceding $\frac{3}{4}$ of a Contract Year, or year to date if less than 12 months' data exists)
<i>All Parties</i>	HA, Designer/Project Manager, Constructor(s), <i>Provider</i> , RTMC and Supply Chain.
<i>Milestones</i>	All <i>Milestones</i> are defined in PMM App E Annex 4 - Time and Cost Phases for Duration and Cost Metrics.

Methodology

Scheme Data Flow

As part of preparing the annual programme, covering works funded for each financial year, a record for each Scheme is produced and relevant details are recorded, including project details and prediction of final cost (*milestone 1*).

When all parties agree the construction costs (*milestone 3*), the *Provider* records the revised

predicted final *Scheme Cost* and the date of this entry, against the project record.

Finally, the *Provider* records the projected final *Scheme Cost*, at the first valuation after the End of Construction (*milestone 7*) and the date of this entry, against the project record.

Metric Calculation

Individual Scheme data is then summarised to calculate the metrics.

Compensation events will affect the actual *Scheme cost* but the predicted cost will not be amended to reflect compensation events. i.e. compensation events which affect the overall cost of a Scheme will have a negative effect on the result.

Until data is available for 12 months, the indicators are reported as Year to Date (YTD).

Notes:

- We are interested in the variance in costs from milestone 1 to milestone 3 and from milestone 1 to milestone 7
- *Cost Qualifying Schemes* are those which have moved from milestone 1 to either milestone 3 or milestone 7 in the current quarter or preceding 3 quarters
- For each *Cost Qualifying Scheme* the most recent *milestone* value (either milestone 3 or milestone 7) will be reported, and these will be summed up to create *Net Costs*
- For each *Cost Qualifying Scheme* the cost at *milestone 1* will be reported, and these will be summed up to create *Baseline Sum*
- The *Baseline Sum* will be deducted from the *Net Costs* to arrive at a *Total Cost Variance*
- The *Total Cost Variance* will be divided by the *Baseline Sum* to arrive at a *Total Percentage Cost Variance* used to score this metric for the OPI.

Data Source

Provider's records, HA records and Contractor's records (if applicable)

Data Input for individual projects (Frequency / Reporting Period: Latest Contract quarter for all new data)

Field		Type	Calculation	Decimals	Range
Predicted <i>Scheme Cost</i> as made <i>Milestone 1</i> .	(A)	Integer		0	0 - 5x10 ⁶
Predicted <i>Scheme Cost</i> as made <i>Milestone 3</i> .	(B)	Integer		0	0 - 5x10 ⁶
Date <i>Milestone 3</i> was reached.	(C)	Integer		0	Any Date
Predicted <i>Scheme Cost</i> as made <i>Milestone 7</i> .	(D)	Integer		0	0 - 5x10 ⁶
Date <i>Milestone 7</i> was reached.	(E)	Integer		0	Any Date
<i>Net Costs</i>	(F)	Calculation	$\Sigma B + \Sigma D$	0	0 - 5x10 ⁶
<i>Baseline Sum</i>	(G)	Calculation	ΣA	0	0 - 5x10 ⁶

Field		Type	Calculation	Decimals	Range
<i>Total Cost Variance</i>	(H)	Calculation	F – G	0	0 - 5x10 ⁶

Overall Calculation

Measure	Type	Calculation
<i>Total Percentage Cost Variance (TPCV)</i>	Percentage	For all <i>Cost Qualifying Schemes</i> : (H/G)*100

Note: Σ = the aggregation of input data for the current ¼ Contract Year and the preceding ¾ of a Contract Year.

PMM App E Annex 3 – Safe Operations – Road Worker Safety

To measure the effectiveness of the *Provider's* safety processes by monitoring all accidents reportable under RIDDOR.

Measures

SS01 Area RIDDOR Frequency Rate, based on all accidents reportable under RIDDOR.

Definitions

RIDDOR Reporting of Injuries, Diseases and Dangerous Occurrences Regulations

Recorded injuries All injuries recorded in Accident Books (or databases) covering the ASC

Data Source *Provider's* Accident Books / databases including RIDDOR forms.

Data Input (Frequency / Reporting Period: Latest Contract quarter)

Field		Type	Decimals	Range
Total number of hours worked in the Since last OPI review	(A)	Integer	0	0 – 150000
Total number of all accidents reportable under RIDDOR since the last OPI review	(B)	Integer	0	0 – 50

Calculations (Rolling 12 Month Performance) i.e. Current ¼ Contract Year and the preceding ¾ of a Contract Year

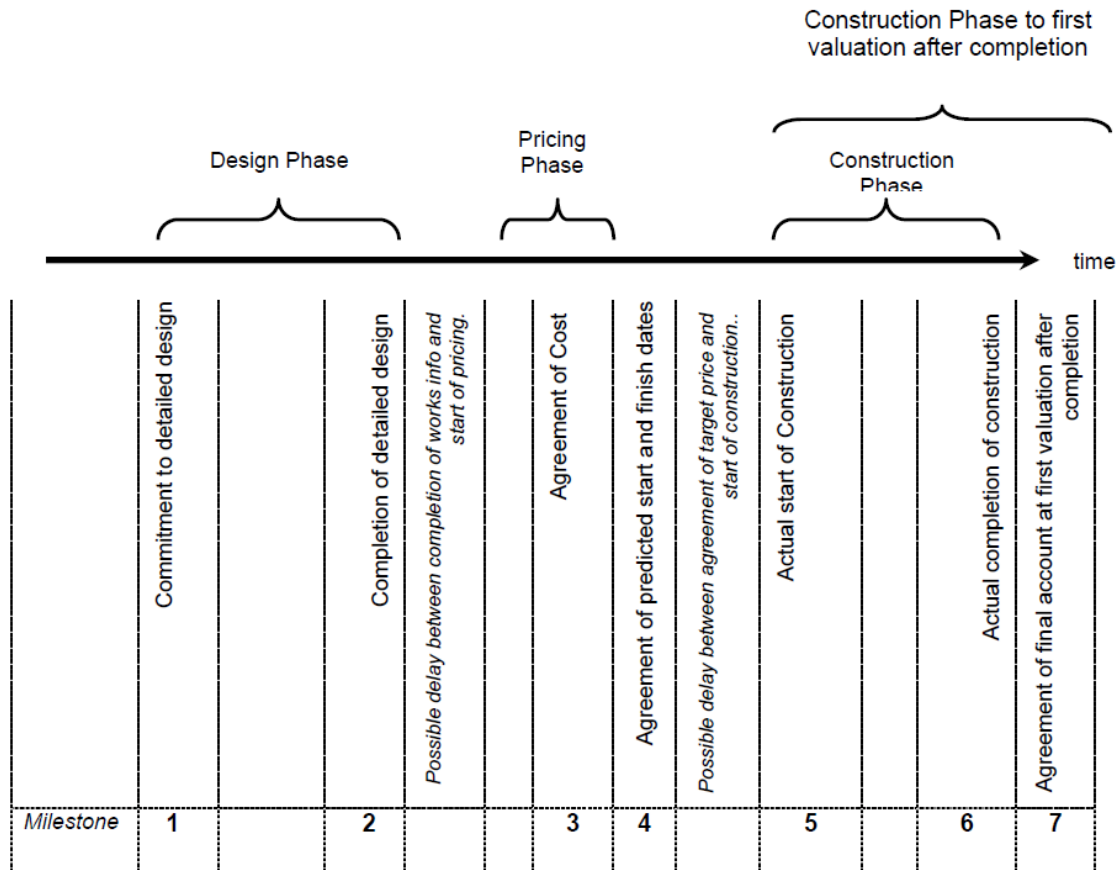
Measure	Type	Calculation	Decimals	Range
SS01(A)	Integer	$(\Sigma B / \Sigma A) * 10^5$	2	0 – 5

Note:

Σ = the aggregation of input data for the current ¼ Contract Year and the preceding ¾ of a Contract Year. Within the first year of the contract period part years may be used i.e. the period should not include accidents prior to the commencement of the Contract.

(A) Annual indicator

PMM App E Annex 4 - Time and Cost Phases for Duration and Cost Metrics



Milestone definitions

• **DESIGN PHASE:** 1. Commitment, after final VM, to detailed design completion dates and initial *Scheme cost*. These dates are drawn from a programme covering works funded for a financial year, to be compiled and agreed by 31st March, for all *eligible Schemes*. For Schemes issued after 31st March the earliest possible design date and *Scheme cost* is to be agreed within the team.

2. Completion of detailed design as evidenced by the availability of a COMPLETE design package (this may not coincide with the issue of the design package, subject to programme and unforeseen delays in starting pricing). Any issue of additional information would put back the end of the design stage. If the HA request a hold on pricing then the end of the design stage is the stage at which the complete package is ready for issue.

• **PRICING PHASE** 3. Agreement of Cost (e.g. Target Cost, Derived Price, Task Order Agreement and Tender price agreement)

• **CONSTRUCTION PHASE:** 4. Point at which an agreed construction programme is published. This will normally coincide with *milestone 3*.

5. Actual start of works on site including any traffic management.

6. Completion as defined under the Contract and including removal of all traffic management.
7. Agreement of final account at first valuation after completion