



Department for
Business, Energy
& Industrial Strategy

19 October 2016

Helen Fleming
Policy Director
Smart DCC Ltd (the "DCC")
2nd Floor Ibex House
42-47 Minories
London
EC3N 1DY

Dear Helen,

Licensee's General Review of Implementation Milestones – Direction given by the Secretary of State for the purposes of Schedule 3 Part F of the Smart Meter Communication Licences

I refer to your submission of 28 June 2016 setting out the conclusions of the Licensee's general review of the remaining Implementation Due Dates and Implementation Milestone Criteria (taken together to be referred to in this letter and direction as the 'Implementation Milestones' or 'IMs'), pursuant to Part F of Schedule 3 of the smart meter communication licences (the 'DCC Licences').

The Licensee's proposals

Broadly, the Secretary of State agrees with the Licensee's proposals that, following consultation with the SEC Panel and SEC Parties, it is appropriate for the implementation performance regime set out in Schedule 3 of the DCC Licences to provide for the following:

- Amendments to IM8, consulted on in May 2015¹, incentivising the Licensee to commence Systems Integration Testing ('SIT') in line with the Joint Industry Plan ('JIP') date of 1 September 2015 and in accordance with the Licensee entry criteria for SIT as set out in the SIT Approach Document (as defined in the SEC)
- The introduction of IM9 and IM10 to reflect DCC Live and Release 1.3 (as defined in Annex A) respectively, weighted equally (i.e. 30% of BMIT each) and further divided equally (i.e. 15% each) by Region (as defined in the SEC) category, reflecting the requirement to incentivise each release and Region category equally due to the overall importance of both releases to industry
- The use of the time factor or 'tapering' mechanisms set out in the 28 June 2016 conclusions:

¹ <https://www.smartdcc.co.uk/consultations/dcc-consultations/proposed-changes-to-dccs-implementation-milestones/>

DCC Live	R1.3	Time Factors
20 Jul 2016	26 Sep 2016	0.00
17 Aug 2016	28 Oct 2016	0.05
31 Aug 2016	07 Nov 2016	0.10
12 Oct 2016	19 Dec 2016	0.90
23 Nov 2016	30 Jan 2017	1.00

The Secretary of State also agrees with the Licensee's proposals that, following consultation with the SEC Panel and SEC Parties, it is appropriate for the implementation performance regime set out in Schedule 3 of the DCC Licences to not include the following:

- An Interface Test Readiness IM as this is a pre-requisite to achieving DCC Live (as defined in Annex A) and therefore the incentive to commence this testing is appropriately covered under the proposed DCC Live (and Release 1.3) IMs
- The Stabilisation IM, as operational delivery will/should be incentivised by Ofgem through the Operational Performance Regime ('OPR')

External Dependencies

Whilst recognising that a failure to achieve an IM by the relevant Implementation Due Date could arise due to circumstances outside of the Licensee's reasonable control, the Secretary of State expects the Licensee to actively manage its dependencies and where possible, mitigate the risk of these impacting the delivery of its IMs. In circumstances where the Licensee envisages that the delivery of its IMs by the relevant Implementation Due Date will be, or has been, adversely impacted by circumstances outside the reasonable control of the Licensee or its External Service Providers and where the Licensee has taken steps to actively manage and mitigate the risk of such circumstances impacting on such delivery, then it will need to apply to the Secretary of State to request a modification of the due dates and/or criteria pursuant to Schedule 3 Part F of the DCC Licences. The Secretary of State will consider any such request and may (or may not) propose modifications to the dates and/or criteria as he considers appropriate in all of the circumstances of the case.

Amendments to the Licensee's proposals

In reviewing the Licensee's proposals the Secretary of State has determined that the following amendments to these proposals are appropriate:

- Successful completion of IMs 9 and 10 is not related to the submission by the Licensee of the required criteria items, but the successful acceptance of these by the Secretary of State and SEC Panel (as applicable).
- The 'recovery mechanism' should only enable the Licensee to claim back any lost Baseline Margin from previously missed IM payments up to the delivery of 'DCC Live' at IM9. It is felt that the recovery mechanism should only be used to incentivise the recovery of missed milestones related to DCC Live, which allows

other SEC Parties to proceed with the overall SMIP programme plan. Allowing the Licensee the ability to recover lost margin from IM9 in IM10 unduly rewards the Licensee for continued late delivery, whilst there is enough incentive for the Licensee to achieve IM10 due to the value of the BMIT for that milestone.

- The wording of the specific criteria for IM8, IM9, and IM10 have been amended with clarifications to facilitate Ofgem's future IM payment reviews. Moreover, IM9 and IM10 have been amended to reflect the relevant stages of the acceptance processes referenced above. These are set out in **Annex A**.

Direction

The Secretary of State's Direction setting out amendments to the Implementation Due Dates and Implementation Milestone Criteria (in accordance with paragraph 3.4 of Part E and paragraph 3.5 of Part F of Schedule 3 of the DCC Licences) is set out in **Annex A**.

I am copying this letter to Rob-Salter Church at Ofgem.

Yours sincerely,



TERESA CAMEY

Deputy Director Stewardship, Smart Metering Implementation Programme

(an official of the Department for Business, Energy & Industrial Strategy authorised to act on behalf of the Secretary of State)

ANNEX A – Legal direction setting out variations to the Implementation Due Dates specified in Parts A to D of Schedule 3 and the Implementation Milestone Criteria identified in Part E of Schedule 3 of the Smart Meter Communication Licence¹

1. In accordance with paragraph 3.5 of Part F of Schedule 3 of the Smart Meter Communication Licence, the Secretary of State hereby directs that the Implementation Due Dates and Implementation Milestone Criteria set out in Schedule 3 of the Smart Meter Communication Licence shall be varied as set out in paragraphs 2 to 6 below, with immediate effect.
2. Replace paragraph 3.2 of Schedule 3 with "The amounts of all algebraic terms that have a prefix "IM" within this Schedule are to be expressed (unless the calculation explicitly provides otherwise) as negative amounts in £ million rounded to the nearest whole pound, or as having a value of zero. All references to 'Columns A, B, C, and D' in this Schedule are references to the relevant column in the Time Factor Table set out at Part G of this Schedule."
3. Delete Part C of Schedule 3 (In respect of Regulatory Year 2015/16) and insert a new Part C, as follows:

"Part C: In respect of Regulatory Year 2015/16

Implementation Milestone 8 Licensee is ready for Systems Integration Testing

Algebraic term: $IM8_t$

Where $IM8_t = IM8a_t + IM8b_t$

Implementation Milestone 8a: Licensee is ready for Systems Integration Testing in the North Region

Algebraic term: $IM8a_t$

Implementation Due Date: 1 September 2015

Implementation Milestone Criteria: As specified in the Statement of Implementation Milestone (IM) Criteria set out at Part E of this Schedule.

Amount of term: $IM8a_t = BMIT \times 7.5\% \times TF_{8a}$, where:

TF_{8a} (Time Factor for IM8a) is the Column B figure aligned to the date from Column A on which the specified criteria are achieved.

Implementation Milestone 8b: Licensee is ready for Systems Integration Testing in the Central and South Regions

Algebraic term: $IM8b_t$

¹ The smart meter communication licences granted under the Electricity Act 1989 and the Gas Act 1986.

Implementation Due Date: 1 September 2015

Implementation Milestone Criteria: As specified in the Statement of Implementation Milestone (IM) Criteria set out at Part E of this Schedule.

Amount of term: $IM8b_t = BMIT \times 7.5\% \times TF_{8b}$, where:

TF_{8b} (Time Factor for IM8b) is the Column B figure aligned to the date from Column A on which the specified criteria are achieved.

4. Delete Part D of Schedule 3 (In respect of Regulatory Year 2016/17) and insert a new Part D, as follows:

"Part D: In respect of Regulatory Year 2016/17

Implementation Milestone 9: Licensee is ready for DCC Live (R1.2)

Algebraic term: $IM9_t$

Where $IM9_t = IM9_{a_t} + IM9_{b_t}$

Implementation Milestone 9a: Licensee is ready for DCC Live (R1.2) in the North Region

Algebraic term: $IM9_{a_t}$

Implementation Due Date: 20 July 2016

Implementation Milestone Criteria: As specified in the Statement of Implementation Milestone (IM) Criteria set out at Part E of this Schedule.

Amount of term: $IM9_{a_t} = BMIT \times \{(15\% \times TF_{9a}) + (\frac{1}{2} \times (4\% \times TF_5 + 4\% \times TF_6 + 4\% \times TF_7) \times (TF_R - 1)) + ((7.5\% \times TF_{8a}) \times (TF_{Ra} - 1))\}$, where,

TF_{9a} (Time Factor for IM9a) is the Column C figure aligned to the date from Column A on which the specified criteria are achieved;

TF_R (Time Factor for Recovery) is the Column C figure aligned to the date from Column A on which the specified criteria for both IM9a and IM9b are achieved;

TF_{Ra} (Time Factor for 'a' Recovery) is the Column C figure aligned to the date from Column A on which the specified criteria for IM9a are achieved;

TF_5 , TF_6 , TF_7 and TF_{8a} are the value of the Time Factor (TF) determined for IM5, IM6, IM7 and IM8a by Ofgem.

Implementation Milestone 9b: Licensee is ready for DCC Live (R1.2) in the Central & South Regions

Algebraic term: $IM9_{b_t}$

Implementation Due Date: 20 July 2016

Implementation Milestone Criteria: As specified in the Statement of Implementation Milestone (IM) Criteria set out at Part E of this Schedule.

Amount of term: : $IM9_{b_t} = BMIT \times \{15\% \times TF_{9b} + \frac{1}{2} \times (4\% \times TF_5 + 4\% \times TF_6 + 4\% \times TF_7) \times (TF_R - 1) + (7.5\% \times TF_{8b}) \times (TF_{Rb} - 1)\}$, where,

TF_{9b} (Time Factor for IM9b) is the Column C figure aligned to the date from Column A on which the specified criteria are achieved;

TF_R (Time Factor for Recovery) is the Column C figure aligned to the date from Column A on which the specified criteria for both IM9a and IM9b are achieved;
 TF_{Rb} (Time Factor for 'b' Recovery) is the Column C figure aligned to the date from Column A on which the specified criteria for IM9b are achieved;
 TF_5 , TF_6 , TF_7 and TF_{8b} are the value of the Time Factor (TF) determined for IM5, IM6, IM7 and IM8b by Ofgem.

Implementation Milestone 10: Licensee is ready for Release 1.3

Algebraic term: $IM10_t$

Where $IM10_t = IM10_{a_t} + IM10_{b_t}$

Implementation Milestone 10a: Licensee is ready for Release 1.3 in the North Region

Algebraic term: $IM10_{a_t}$

Implementation Due Date: 26 September 2016

Implementation Milestone Criteria: As specified in the Statement of Implementation Milestone (IM) Criteria set out at Part E of this Schedule.

Amount of term: $IM10_{a_t} = BMIT \times 15\% \times TF_{10a}$, where

TF_{10a} (Time Factor) is the Column D figure aligned to the date from Column A on which the specified criteria are achieved.

Implementation Milestone 10b: Licensee is ready for Release 1.3 in the Central and South Regions

Algebraic term: $IM10_{b_t}$

Implementation Due Date: 26 September 2016

Implementation Milestone Criteria: As specified in the Statement of Implementation Milestone (IM) Criteria set out at Part E of this Schedule.

Amount of term: $IM10_{b_t} = BMIT \times 15\% \times TF_{10b}$, where

TF_{10b} (Time Factor for IM10b) is the Column D figure aligned to the date from Column A on which the specified criteria are achieved.

"

5. In Part E of Schedule 3 (Statement of Implementation Milestone (IM) Criteria) delete from existing IM11 (Completion of User Interface Testing) to and including IM14 (Completion of User Integration Testing) and insert:

"IM8a: Licensee is ready for Systems Integration Testing in the North Region

1. The Licensee has met all entry criteria (demonstrated via the Quality Gate Review process) as set out in the SIT Approach Document applying to itself, the Communications Service Provider in the North Region, the Trusted Service Provider, the Parse and Correlate Provider and the Data Services Provider for the first release of Systems Integration Testing
2. The functionality tested in the first release into Systems Integration Testing was set out in an annex to the SIT Approach Document which had been approved by the SEC Panel no later than 25 working days prior to the commencement of the first release into Systems Integration Testing
3. The Licensee has issued Approval to Proceed Certificates for each of the above referenced External Service Providers which approve entry into Systems Integration Testing in accordance with the SIT Approach Document.

Approval to Proceed Certificate is the certificate that is issued by the Licensee to enable an External Service Provider to proceed to the next stage/phase of testing based on a reasonable assessment of:

- testing completed in the preceding test stage/phase, including completion of relevant exit criteria;
- attainment of entry criteria for next stage/phase of testing; and
- risks associated with progression to the next stage/phase of testing

Parse and Correlate Provider means the External Service Provider that is contracted for the provision of Parse and Correlate Software as outlined in Section H11 of the SEC.

Quality Gate Review means a review held by the Licensee between test stages, to confirm that the exit criteria of the preceding test stage and the entry criteria of the upcoming test stage have been met.

IM8b: Licensee is ready for Systems Integration Testing in the Central and South Regions

1. The Licensee has met all entry criteria (demonstrated via the Quality Gate Review process) as set out in the SIT Approach Document applying to itself, the Communications Service Provider in the Central and South Regions, the Trusted Service Provider, the Parse and Correlate Provider and the Data Services Provider for the first release of Systems Integration Testing
2. The functionality tested in the first release into Systems Integration Testing was set out in an annex to the SIT Approach Document which had been approved by the SEC Panel no later than 25 working days prior to the commencement of the first release into of Systems Integration Testing

3. The Licensee has issued Approval to Proceed Certificates for each of the above referenced External Service Providers which approve entry into Systems Integration Testing in accordance with the SIT Approach Document.

Approval to Proceed Certificate is the certificate that is issued by the Licensee to enable an External Service Provider to proceed to the next stage/phase of testing based on a reasonable assessment of:

- testing completed in the preceding test stage/phase, including completion of relevant exit criteria;
- attainment of entry criteria for next stage/phase of testing; and
- risks associated with progression to the next stage/phase of testing

Parse and Correlate Provider means the External Service Provider that is contracted for the provision of Parse and Correlate Software as outlined in Section H11 of the SEC.

Quality Gate Review means a review held by the Licensee between test stages, to confirm that the exit criteria of the preceding test stage and the entry criteria of the upcoming test stage have been met.

IM9a: Licensee is ready for DCC Live (R1.2) in the North Region

For the North Region;

1. The number of Communications Hubs delivered by the Licensee to SEC Parties was equal to or greater than 80% of the total number of Communications Hubs in the Communications Hub Orders accepted by the Licensee (in accordance with the Order Verification and Acceptance procedure in clauses 3.19 to 3.23 of the CH Handover Support Materials) with an Agreed Delivery Date falling on or before DCC Live Date. For the purposes of this criterion, “**Agreed Delivery Date**” means the Delivery Date stated in the Communications Hub Orders accepted by the Licensee, including any changes to the Delivery Date proposed by the relevant SEC Party and accepted by the Licensee but disregarding any changes made by the Licensee under clauses 6.5 to 6.9 of the CH Handover Support Materials; and “**DCC Live Date**” means the date that is set out in the extant version of the DCC’s plan for the purposes of trialling and testing as approved by the Secretary of State pursuant to Part E of Condition 13 of this Licence.
2. The SEC Panel has confirmed that the exit criteria for Interface Testing as set out in the Interface Testing Approach Document have been met in accordance with Section T3.27 of the SEC provided there is no subsequent determination by the Authority (or such person as the Secretary of State may direct) pursuant to Section T3.28 of the SEC that one or more of such exit criteria have not been met.
3.
 - a. Subject to 3(b) below, the Secretary of State has confirmed that he accepts the Licensee’s assurances set out in its DCC live services criteria report(s) submitted to the Secretary of State concerning its readiness to commence the provision of the relevant Services (as defined in the SEC)

(or any part of the relevant Services) in accordance with the provisions of the Smart Meter Communication Licence and the SEC, subject to such conditions, which must be satisfied by such date or dates, as the Secretary of State may specify;

- b. where conditions have been specified, this criterion 3 will only be achieved if the Secretary of State subsequently confirms that he accepts the Licensee's assurances set out in a further report submitted to the Secretary of State for the purposes of this criterion that the Licensee has satisfied all of the conditions by the date or dates specified by the Secretary of State. Where the Licensee has satisfied all of the conditions by the date or dates specified by the Secretary of State then the Licensee shall be deemed to have achieved this criterion 3 on the date that the Secretary of State confirms acceptance of the Licensee's assurances in accordance with 3(a) above.

DCC Live is the milestone that represents the point at which the Secretary of State has activated the relevant provisions within the SEC enabling live technical and operational services in scope for release 1.2 to commence.

IM9b: Licensee is ready for DCC Live (R1.2) in the Central & South Regions

For the Central & South Region;

1. The number of Communications Hubs delivered by the Licensee to SEC Parties was equal to or greater than 80% of the total number of Communications Hubs in the Communications Hub Orders accepted by the Licensee (in accordance with the Order Verification and Acceptance procedure in clauses 3.19 to 3.23 of the CH Handover Support Materials) with an Agreed Delivery Date falling on or before DCC Live Date. For the purposes of this criterion, "**Agreed Delivery Date**" means the Delivery Date stated in the Communications Hub Orders accepted by the Licensee, including any changes to the Delivery Date proposed by the relevant SEC Party and accepted by the Licensee but disregarding any changes made by the Licensee under clauses 6.5 to 6.9 of the CH Handover Support Materials; and "**DCC Live Date**" means the date that is set out in the extant version of the DCC's plan for the purposes of trialling and testing as approved by the Secretary of State pursuant to Part E of Condition 13 of this Licence.
2. The SEC Panel has confirmed that the exit criteria for Interface Testing as set out in the Interface Testing Approach Document have been met in accordance with Section T3.27 of the SEC provided there is no subsequent determination by the Authority (or such person as the Secretary of State may direct) pursuant to Section T3.28 of the SEC that one or more of such exit criteria have not been met.
3.
 - a. Subject to 3(b) below, the Secretary of State has confirmed that he accepts the Licensee's assurances set out in its DCC live services criteria report(s) submitted to the Secretary of State concerning its readiness to commence the provision of the relevant Services (as defined in the SEC)

(or any part of the relevant Services) in accordance with the provisions of the Smart Meter Communication Licence and the SEC, subject to such conditions, which must be satisfied by such date or dates, as the Secretary of State may specify;

- b. where conditions have been specified, this criterion 3 will only be achieved if the Secretary of State subsequently confirms that he accepts the Licensee's assurances set out in a further report submitted to the Secretary of State for the purposes of this criterion that the Licensee has satisfied all of the conditions by the date or dates specified by the Secretary of State. Where the Licensee has satisfied all of the conditions by the date or dates specified by the Secretary of State then the Licensee shall be deemed to have achieved this criterion 3 on the date that the Secretary of State confirms acceptance of the Licensee's assurances in accordance with 3(a) above.

DCC Live is the milestone that represents the point at which the Secretary of State has activated the relevant provisions within the SEC enabling live technical and operational services in scope for release 1.2 to commence.

IM10a: Licensee is ready for Release 1.3 in the North Region

For the North Region:

1. The SEC Panel has confirmed that the exit criteria for Interface Testing as set out in the Interface Testing Approach Document have been fully met in accordance with Section T3.27 of the SEC provided there is no subsequent determination by the Authority (or such person as the Secretary of State may direct) pursuant to Section T3.28 of the SEC that one or more of such exit criteria have not been met.
2.
 - a. Subject to 2(b) below, the Secretary of State has confirmed that he accepts the Licensee's assurances set out in its DCC live services criteria report(s) submitted to the Secretary of State concerning its readiness to commence the provision of the relevant Services (as defined in the SEC) (or any part of the relevant Services) in accordance with the provisions of the Smart Meter Communication Licence and the SEC, subject to such conditions, which must be satisfied by such date or dates, as the Secretary of State may specify;
 - b. where conditions have been specified, this criterion 2 will only be achieved if the Secretary of State subsequently confirms that he accepts the Licensee's assurances set out in a further report submitted to the Secretary of State for the purposes of this criterion that the Licensee has satisfied all of the conditions by the date or dates specified by the Secretary of State. Where the Licensee has satisfied all of the conditions by the date or dates specified by the Secretary of State then the Licensee shall be deemed to have achieved this criterion 2 on the date that the Secretary of State confirms acceptance of the Licensee's assurances in accordance with 2(a) above.

Release 1.3 being, in respect of the variations that are to be made by the Secretary of State on the DCC User Interface Services Schedule first being effective so that there are Services (as defined in the SEC) listed in the schedule for which there is no Eligible User Role, the date on which one or more of those variations are cancelled such that there is one or more Eligible User Roles for one or more of those Services.

IM10b: Licensee is ready for Release 1.3 in the Central & South Regions

For the Central & South Region:

1. The SEC Panel has confirmed that the exit criteria for Interface Testing as set out in the Interface Testing Approach Document have been fully met in accordance with Section T3.27 of the SEC provided there is no subsequent determination by the Authority (or such person as the Secretary of State may direct) pursuant to Section T3.28 of the SEC that one or more of such exit criteria have not been met.
2.
 - a. Subject to 2(b) below, the Secretary of State has confirmed that he accepts the Licensee's assurances set out in its DCC live services criteria report(s) submitted to the Secretary of State concerning its readiness to commence the provision of the relevant Services (as defined in the SEC) (or any part of the relevant Services) in accordance with the provisions of the Smart Meter Communication Licence and the SEC, subject to such conditions, which must be satisfied by such date or dates, as the Secretary of State may specify;
 - b. where conditions have been specified, this criterion 2 will only be achieved if the Secretary of State subsequently confirms that he accepts the Licensee's assurances set out in a further report submitted to the Secretary of State for the purposes of this criterion that the Licensee has satisfied all of the conditions by the date or dates specified by the Secretary of State. Where the Licensee has satisfied all of the conditions by the date or dates specified by the Secretary of State then the Licensee shall be deemed to have achieved this criterion 2 on the date that the Secretary of State confirms acceptance of the Licensee's assurances in accordance with 2(a) above.

Release 1.3 being, in respect of the variations that are to be made by the Secretary of State on the DCC User Interface Services Schedule first being effective so that there are Services (as defined in the SEC) listed in the schedule for which there is no Eligible User Role, the date on which one or more of those variations are cancelled such that there is one or more Eligible User Roles for one or more of those Services.

"

6. Insert a new Part G into Schedule 3 as follows:

"Part G: Time Factor Table

Column A	Column B	Column C	Column D
Date Milestone Achieved	TF _{8a} & TF _{8b}	TF _{9a} , TF _{9b} TF _{9a} & TF _{9b}	TF _{10a} & TF _{10b}
01 September 2015	0.00000	0.00000	0.00000
02 September 2015	0.00333	0.00000	0.00000
03 September 2015	0.00667	0.00000	0.00000
04 September 2015	0.01000	0.00000	0.00000
05 September 2015	0.01333	0.00000	0.00000
06 September 2015	0.01667	0.00000	0.00000
07 September 2015	0.02000	0.00000	0.00000
08 September 2015	0.02333	0.00000	0.00000
09 September 2015	0.02667	0.00000	0.00000
10 September 2015	0.03000	0.00000	0.00000
11 September 2015	0.03333	0.00000	0.00000
12 September 2015	0.03667	0.00000	0.00000
13 September 2015	0.04000	0.00000	0.00000
14 September 2015	0.04333	0.00000	0.00000
15 September 2015	0.04667	0.00000	0.00000
16 September 2015	0.05000	0.00000	0.00000
17 September 2015	0.05333	0.00000	0.00000
18 September 2015	0.05667	0.00000	0.00000
19 September 2015	0.06000	0.00000	0.00000
20 September 2015	0.06333	0.00000	0.00000
21 September 2015	0.06667	0.00000	0.00000
22 September 2015	0.07000	0.00000	0.00000
23 September 2015	0.07333	0.00000	0.00000
24 September 2015	0.07667	0.00000	0.00000
25 September 2015	0.08000	0.00000	0.00000
26 September 2015	0.08333	0.00000	0.00000
27 September 2015	0.08667	0.00000	0.00000
28 September 2015	0.09000	0.00000	0.00000
29 September 2015	0.09333	0.00000	0.00000
30 September 2015	0.09667	0.00000	0.00000
01 October 2015	0.10000	0.00000	0.00000
02 October 2015	0.12581	0.00000	0.00000
03 October 2015	0.15161	0.00000	0.00000
04 October 2015	0.17742	0.00000	0.00000
05 October 2015	0.20323	0.00000	0.00000
06 October 2015	0.22903	0.00000	0.00000
07 October 2015	0.25484	0.00000	0.00000
08 October 2015	0.28065	0.00000	0.00000
09 October 2015	0.30645	0.00000	0.00000

Column A	Column B	Column C	Column D
Date Milestone Achieved	TF _{8a} & TF _{8b}	TF _{9a} , TF _{9b} TF _{9a} & TF _{9b}	TF _{10a} & TF _{10b}
10 October 2015	0.33226	0.00000	0.00000
11 October 2015	0.35806	0.00000	0.00000
12 October 2015	0.38387	0.00000	0.00000
13 October 2015	0.40968	0.00000	0.00000
14 October 2015	0.43548	0.00000	0.00000
15 October 2015	0.46129	0.00000	0.00000
16 October 2015	0.48710	0.00000	0.00000
17 October 2015	0.51290	0.00000	0.00000
18 October 2015	0.53871	0.00000	0.00000
19 October 2015	0.56452	0.00000	0.00000
20 October 2015	0.59032	0.00000	0.00000
21 October 2015	0.61613	0.00000	0.00000
22 October 2015	0.64194	0.00000	0.00000
23 October 2015	0.66774	0.00000	0.00000
24 October 2015	0.69355	0.00000	0.00000
25 October 2015	0.71935	0.00000	0.00000
26 October 2015	0.74516	0.00000	0.00000
27 October 2015	0.77097	0.00000	0.00000
28 October 2015	0.79677	0.00000	0.00000
29 October 2015	0.82258	0.00000	0.00000
30 October 2015	0.84839	0.00000	0.00000
31 October 2015	0.87419	0.00000	0.00000
01 November 2015	0.90000	0.00000	0.00000
02 November 2015	0.90333	0.00000	0.00000
03 November 2015	0.90667	0.00000	0.00000
04 November 2015	0.91000	0.00000	0.00000
05 November 2015	0.91333	0.00000	0.00000
06 November 2015	0.91667	0.00000	0.00000
07 November 2015	0.92000	0.00000	0.00000
08 November 2015	0.92333	0.00000	0.00000
09 November 2015	0.92667	0.00000	0.00000
10 November 2015	0.93000	0.00000	0.00000
11 November 2015	0.93333	0.00000	0.00000
12 November 2015	0.93667	0.00000	0.00000
13 November 2015	0.94000	0.00000	0.00000
14 November 2015	0.94333	0.00000	0.00000
15 November 2015	0.94667	0.00000	0.00000
16 November 2015	0.95000	0.00000	0.00000
17 November 2015	0.95333	0.00000	0.00000
18 November 2015	0.95667	0.00000	0.00000
19 November 2015	0.96000	0.00000	0.00000
20 November 2015	0.96333	0.00000	0.00000

Column A	Column B	Column C	Column D
Date Milestone Achieved	TF _{8a} & TF _{8b}	TF _{9a} , TF _{9b} TF _{Ra} & TF _{Rb}	TF _{10a} & TF _{10b}
21 November 2015	0.96667	0.00000	0.00000
22 November 2015	0.97000	0.00000	0.00000
23 November 2015	0.97333	0.00000	0.00000
24 November 2015	0.97667	0.00000	0.00000
25 November 2015	0.98000	0.00000	0.00000
26 November 2015	0.98333	0.00000	0.00000
27 November 2015	0.98667	0.00000	0.00000
28 November 2015	0.99000	0.00000	0.00000
29 November 2015	0.99333	0.00000	0.00000
30 November 2015	0.99667	0.00000	0.00000
01 December 2015	1.00000	0.00000	0.00000
No change from	02/12/2015	to	
20 July 2016	1.00000	0.00000	0.00000
21 July 2016	1.00000	0.00179	0.00000
22 July 2016	1.00000	0.00357	0.00000
23 July 2016	1.00000	0.00536	0.00000
24 July 2016	1.00000	0.00714	0.00000
25 July 2016	1.00000	0.00893	0.00000
26 July 2016	1.00000	0.01071	0.00000
27 July 2016	1.00000	0.01250	0.00000
28 July 2016	1.00000	0.01429	0.00000
29 July 2016	1.00000	0.01607	0.00000
30 July 2016	1.00000	0.01786	0.00000
31 July 2016	1.00000	0.01964	0.00000
01 August 2016	1.00000	0.02143	0.00000
02 August 2016	1.00000	0.02321	0.00000
03 August 2016	1.00000	0.02500	0.00000
04 August 2016	1.00000	0.02679	0.00000
05 August 2016	1.00000	0.02857	0.00000
06 August 2016	1.00000	0.03036	0.00000
07 August 2016	1.00000	0.03214	0.00000
08 August 2016	1.00000	0.03393	0.00000
09 August 2016	1.00000	0.03571	0.00000
10 August 2016	1.00000	0.03750	0.00000
11 August 2016	1.00000	0.03929	0.00000
12 August 2016	1.00000	0.04107	0.00000
13 August 2016	1.00000	0.04286	0.00000
14 August 2016	1.00000	0.04464	0.00000
15 August 2016	1.00000	0.04643	0.00000
16 August 2016	1.00000	0.04821	0.00000
17 August 2016	1.00000	0.05000	0.00000
18 August 2016	1.00000	0.05357	0.00000

Column A	Column B	Column C	Column D
Date Milestone Achieved	TF _{8a} & TF _{8b}	TF _{9a} , TF _{9b} TF _{9Ra} & TF _{9Rb}	TF _{10a} & TF _{10b}
19 August 2016	1.00000	0.05714	0.00000
20 August 2016	1.00000	0.06071	0.00000
21 August 2016	1.00000	0.06429	0.00000
22 August 2016	1.00000	0.06786	0.00000
23 August 2016	1.00000	0.07143	0.00000
24 August 2016	1.00000	0.07500	0.00000
25 August 2016	1.00000	0.07857	0.00000
26 August 2016	1.00000	0.08214	0.00000
27 August 2016	1.00000	0.08571	0.00000
28 August 2016	1.00000	0.08929	0.00000
29 August 2016	1.00000	0.09286	0.00000
30 August 2016	1.00000	0.09643	0.00000
31 August 2016	1.00000	0.10000	0.00000
01 September 2016	1.00000	0.11905	0.00000
02 September 2016	1.00000	0.13810	0.00000
03 September 2016	1.00000	0.15714	0.00000
04 September 2016	1.00000	0.17619	0.00000
05 September 2016	1.00000	0.19524	0.00000
06 September 2016	1.00000	0.21429	0.00000
07 September 2016	1.00000	0.23333	0.00000
08 September 2016	1.00000	0.25238	0.00000
09 September 2016	1.00000	0.27143	0.00000
10 September 2016	1.00000	0.29048	0.00000
11 September 2016	1.00000	0.30952	0.00000
12 September 2016	1.00000	0.32857	0.00000
13 September 2016	1.00000	0.34762	0.00000
14 September 2016	1.00000	0.36667	0.00000
15 September 2016	1.00000	0.38571	0.00000
16 September 2016	1.00000	0.40476	0.00000
17 September 2016	1.00000	0.42381	0.00000
18 September 2016	1.00000	0.44286	0.00000
19 September 2016	1.00000	0.46190	0.00000
20 September 2016	1.00000	0.48095	0.00000
21 September 2016	1.00000	0.50000	0.00000
22 September 2016	1.00000	0.51905	0.00000
23 September 2016	1.00000	0.53810	0.00000
24 September 2016	1.00000	0.55714	0.00000
25 September 2016	1.00000	0.57619	0.00000
26 September 2016	1.00000	0.59524	0.00000
27 September 2016	1.00000	0.61429	0.00156
28 September 2016	1.00000	0.63333	0.00313
29 September 2016	1.00000	0.65238	0.00469

Column A	Column B	Column C	Column D
Date Milestone Achieved	TF _{8a} & TF _{8b}	TF _{9a} , TF _{9b} TF _{9Ra} & TF _{9Rb}	TF _{10a} & TF _{10b}
30 September 2016	1.00000	0.67143	0.00625
01 October 2016	1.00000	0.69048	0.00781
02 October 2016	1.00000	0.70952	0.00938
03 October 2016	1.00000	0.72857	0.01094
04 October 2016	1.00000	0.74762	0.01250
05 October 2016	1.00000	0.76667	0.01406
06 October 2016	1.00000	0.78571	0.01563
07 October 2016	1.00000	0.80476	0.01719
08 October 2016	1.00000	0.82381	0.01875
09 October 2016	1.00000	0.84286	0.02031
10 October 2016	1.00000	0.86190	0.02188
11 October 2016	1.00000	0.88095	0.02344
12 October 2016	1.00000	0.90000	0.02500
13 October 2016	1.00000	0.90238	0.02656
14 October 2016	1.00000	0.90476	0.02813
15 October 2016	1.00000	0.90714	0.02969
16 October 2016	1.00000	0.90952	0.03125
17 October 2016	1.00000	0.91190	0.03281
18 October 2016	1.00000	0.91429	0.03438
19 October 2016	1.00000	0.91667	0.03594
20 October 2016	1.00000	0.91905	0.03750
21 October 2016	1.00000	0.92143	0.03906
22 October 2016	1.00000	0.92381	0.04063
23 October 2016	1.00000	0.92619	0.04219
24 October 2016	1.00000	0.92857	0.04375
25 October 2016	1.00000	0.93095	0.04531
26 October 2016	1.00000	0.93333	0.04688
27 October 2016	1.00000	0.93571	0.04844
28 October 2016	1.00000	0.93810	0.05000
29 October 2016	1.00000	0.94048	0.05500
30 October 2016	1.00000	0.94286	0.06000
31 October 2016	1.00000	0.94524	0.06500
01 November 2016	1.00000	0.94762	0.07000
02 November 2016	1.00000	0.95000	0.07500
03 November 2016	1.00000	0.95238	0.08000
04 November 2016	1.00000	0.95476	0.08500
05 November 2016	1.00000	0.95714	0.09000
06 November 2016	1.00000	0.95952	0.09500
07 November 2016	1.00000	0.96190	0.10000
08 November 2016	1.00000	0.96429	0.11905
09 November 2016	1.00000	0.96667	0.13810
10 November 2016	1.00000	0.96905	0.15714

Column A	Column B	Column C	Column D
Date Milestone Achieved	TF _{8a} & TF _{8b}	TF _{9a} , TF _{9b} TF _{9a} & TF _{9b}	TF _{10a} & TF _{10b}
11 November 2016	1.00000	0.97143	0.17619
12 November 2016	1.00000	0.97381	0.19524
13 November 2016	1.00000	0.97619	0.21429
14 November 2016	1.00000	0.97857	0.23333
15 November 2016	1.00000	0.98095	0.25238
16 November 2016	1.00000	0.98333	0.27143
17 November 2016	1.00000	0.98571	0.29048
18 November 2016	1.00000	0.98810	0.30952
19 November 2016	1.00000	0.99048	0.32857
20 November 2016	1.00000	0.99286	0.34762
21 November 2016	1.00000	0.99524	0.36667
22 November 2016	1.00000	0.99762	0.38571
23 November 2016	1.00000	1.00000	0.40476
24 November 2016	1.00000	1.00000	0.42381
25 November 2016	1.00000	1.00000	0.44286
26 November 2016	1.00000	1.00000	0.46190
27 November 2016	1.00000	1.00000	0.48095
28 November 2016	1.00000	1.00000	0.50000
29 November 2016	1.00000	1.00000	0.51905
30 November 2016	1.00000	1.00000	0.53810
01 December 2016	1.00000	1.00000	0.55714
02 December 2016	1.00000	1.00000	0.57619
03 December 2016	1.00000	1.00000	0.59524
04 December 2016	1.00000	1.00000	0.61429
05 December 2016	1.00000	1.00000	0.63333
06 December 2016	1.00000	1.00000	0.65238
07 December 2016	1.00000	1.00000	0.67143
08 December 2016	1.00000	1.00000	0.69048
09 December 2016	1.00000	1.00000	0.70952
10 December 2016	1.00000	1.00000	0.72857
11 December 2016	1.00000	1.00000	0.74762
12 December 2016	1.00000	1.00000	0.76667
13 December 2016	1.00000	1.00000	0.78571
14 December 2016	1.00000	1.00000	0.80476
15 December 2016	1.00000	1.00000	0.82381
16 December 2016	1.00000	1.00000	0.84286
17 December 2016	1.00000	1.00000	0.86190
18 December 2016	1.00000	1.00000	0.88095
19 December 2016	1.00000	1.00000	0.90000
20 December 2016	1.00000	1.00000	0.90238
21 December 2016	1.00000	1.00000	0.90476
22 December 2016	1.00000	1.00000	0.90714

Column A	Column B	Column C	Column D
Date Milestone Achieved	TF _{8a} & TF _{8b}	TF _{9a} , TF _{9b} TF _{9Ra} & TF _{9Rb}	TF _{10a} & TF _{10b}
23 December 2016	1.00000	1.00000	0.90952
24 December 2016	1.00000	1.00000	0.91190
25 December 2016	1.00000	1.00000	0.91429
26 December 2016	1.00000	1.00000	0.91667
27 December 2016	1.00000	1.00000	0.91905
28 December 2016	1.00000	1.00000	0.92143
29 December 2016	1.00000	1.00000	0.92381
30 December 2016	1.00000	1.00000	0.92619
31 December 2016	1.00000	1.00000	0.92857
01 January 2017	1.00000	1.00000	0.93095
02 January 2017	1.00000	1.00000	0.93333
03 January 2017	1.00000	1.00000	0.93571
04 January 2017	1.00000	1.00000	0.93810
05 January 2017	1.00000	1.00000	0.94048
06 January 2017	1.00000	1.00000	0.94286
07 January 2017	1.00000	1.00000	0.94524
08 January 2017	1.00000	1.00000	0.94762
09 January 2017	1.00000	1.00000	0.95000
10 January 2017	1.00000	1.00000	0.95238
11 January 2017	1.00000	1.00000	0.95476
12 January 2017	1.00000	1.00000	0.95714
13 January 2017	1.00000	1.00000	0.95952
14 January 2017	1.00000	1.00000	0.96190
15 January 2017	1.00000	1.00000	0.96429
16 January 2017	1.00000	1.00000	0.96667
17 January 2017	1.00000	1.00000	0.96905
18 January 2017	1.00000	1.00000	0.97143
19 January 2017	1.00000	1.00000	0.97381
20 January 2017	1.00000	1.00000	0.97619
21 January 2017	1.00000	1.00000	0.97857
22 January 2017	1.00000	1.00000	0.98095
23 January 2017	1.00000	1.00000	0.98333
24 January 2017	1.00000	1.00000	0.98571
25 January 2017	1.00000	1.00000	0.98810
26 January 2017	1.00000	1.00000	0.99048
27 January 2017	1.00000	1.00000	0.99286
28 January 2017	1.00000	1.00000	0.99524
29 January 2017	1.00000	1.00000	0.99762
30 January 2017	1.00000	1.00000	1.00000