



## Heads of Agreement

**Date:** This Heads of Agreement (**Agreement**) is made on the 21st day of June 2015.

**Parties:** Transport for NSW (ABN 18 804 239 602) of Level 1, 18 Lee Street, Chippendale NSW 2008 (**TfNSW**)

Parkeon Pty Ltd (ABN 47 122 259 303) of Level 29, 66 Goulburn Street, Sydney NSW 2000 (**Parkeon**)

**Background:** On 7 May 2010, TfNSW entered into the "Project Deed – Electronic Ticketing System for the Greater Sydney region" with Cubic Transportation Systems (Australia) Pty Ltd (**Cubic**) for the design, development, implementation and operation of an electronic ticketing system (the **Project Deed**). TfNSW has been discussing with Cubic the basis on which Cubic would perform an additional scope of work under the Project Deed, referred to by the parties as "cash on system", to provide for the design, development and implementation of Opal card vending and top-up machines at train stations and other locations (the **Cash on System Variation**).

As a subcontractor to Cubic under the Project Deed, Parkeon has been involved in the work TfNSW has directed Cubic to perform under the Project Deed in relation to the Cash on System Variation (the **Direction to Proceed**). The parties have now agreed that Parkeon will develop, manufacture and deliver the machines directly for TfNSW on the basis set out in this Agreement, rather than under the existing subcontract between Parkeon and Cubic in relation to the electronic ticketing system project (which subcontract was emailed to TfNSW by Parkeon on 16 June 2015 at 6.46am (Sydney time)) (the **Existing Parkeon Subcontract**).

The parties agree

**1. Long Form:** The Scope defined below will be performed by Parkeon under the terms of a new contract to be entered into between TfNSW and Parkeon (the **Long Form Agreement**), on the following basis:

- (a) the Long Form Agreement will be based on the same provisions as the Existing Parkeon Subcontract, amended only where necessary to reflect:
  - (i) the changed relationship between the parties;
  - (ii) the provisions of this Agreement; and
  - (iii) other limited changes agreed by the parties (for example, any particular confidentiality, licensing or other provisions which TfNSW is required under the Project Deed to have Parkeon agree to in relation to Cubic's intellectual property or confidential information that may be provided to Parkeon directly by TfNSW).



Certain provisions of the Existing Parkeon Subcontract will not be relevant to the Scope, however the parties will not seek to adjust such provisions but rather acknowledge they are not relevant in an appropriate form in the Long Form Agreement;

- (b) TfNSW will prepare the first draft of the Long Form Agreement; and
- (c) the parties will work together and negotiate in good faith the terms of the Long Form Agreement, with the objective of signing the Long Form Agreement by 17<sup>th</sup> July 2015.

**2. Status:** Despite the above, the parties intend that this Agreement is legally binding in accordance with its terms. Unless and until the Long Form Agreement is executed, this Agreement, together with the terms of the Existing Parkeon Subcontract as modified by this Agreement and to the extent they are not inconsistent (with the appropriate changes as to detail, including substitution of TfNSW for Cubic as the counterparty) (which are hereby incorporated by reference), will apply to the Scope.

**3. Scope:** The **Scope** comprises the:

- (a) development, manufacture and delivery by Parkeon to TfNSW of 71 Galexio and 210 Astreo Self Service Machines (together, the Cash on System Hardware Component), plus the Prototypes referred to in section 4 below, by the Completion Date;
- (b) Phase 2 activities to-date; and
- (c) Phase 2 and Phase 3 activities required until the Long Form Agreement is signed,

(paragraphs (b) and (c) above together, the **Current T&M Component**) in accordance with the design and any other requirements that have been provided to Parkeon by Cubic, including those set out in the version of TfNSW's Appendix A23 document dated 17/11/2014 together with (once agreed) the clarifications currently being finalised between the parties and Cubic (**Appendix 23**).

Certain activities detailed in (c) above required to undertake the Current T&M Component are to be managed and resourced by Parkeon (**Parkeon Managed Activities**) and others are to be resourced by Parkeon and managed by TfNSW (**TfNSW Managed Activities**). These activities are detailed in the Baseline Program Plan as detailed in attachment 2 to this Agreement

**4. Price:** The parties agree that the fixed price for the Cash on System Hardware Component is [REDACTED] (the **Purchase Price**). The Purchase Price is inclusive of all management and administration costs and comprises:

- hardware production: [REDACTED]
- a 12 month hardware warranty (on the same terms as clause 23(c)(i) of the Existing Parkeon Subcontract, provided that where any machine is required to be returned to Parkeon in France in order for a defect to be rectified, TfNSW will be responsible for paying the costs of such shipping): [REDACTED]  
[REDACTED]
- a 12 month software warranty in relation to the Current T&M Component and Further T&M Components [REDACTED]
- shipping: [REDACTED]



- storage (for up to 6 months): [REDACTED] and
- hardware development: [REDACTED]

Both the hardware warranty and the software warranty detailed above shall run from 12 months from installation of first ticket vending machine

The parties note that the Purchase Price includes an additional 4 prototype Galexio machines and an additional 4 prototype Astreo Self Service Machines (the **Prototypes**). At the date of this Agreement, the Prototypes will remain with Parkeon either in the UK or in France. However, the parties agree that TfNSW will own the Prototypes, and will have the right to have the Prototypes delivered to an Australian location nominated by TfNSW at any time, following the execution of this Agreement, provided always that 3 Galexio and 3 Astreo Self Service Machine remain with Parkeon for the purposes of testing and development.

The parties note that TfNSW has already paid Cubic a [REDACTED] [REDACTED] mobilisation payment under the Project Deed towards the Purchase Price (the **Amount Paid**) and the outstanding balance at the date of this Agreement is [REDACTED] (the **Amount Payable**).

The charges for the Current T&M Component will be calculated on the basis of the rates set out in the attachment 1 to this Agreement, which Parkeon warrants, represents and undertakes are no more than the same time and material rates and prices that Parkeon would otherwise have been entitled to charge Cubic for such work under the Existing Parkeon Subcontract (the **Phase 2/3 HoA Charges**).

Any other work agreed by the parties that relates to cash on system activities (as defined in Appendix 23) is outside the Scope of this Agreement, but will be agreed under the Long Form Agreement (the price for which will be determined on a time and materials basis) (the **Further T&M Components**).

TfNSW will seek agreement from Cubic that the Amount Payable and the Phase 2/3 HoA Charges are payable to Parkeon under this Agreement (or the Long Form Agreement), and not to Cubic as a result of the Direction to Proceed (which agreement may be conditional on Parkeon issuing a credit note for any amounts invoiced to Cubic but not yet paid by Cubic). The obligation of TfNSW to pay the Amount Payable and the Phase 2/3 HoA Charges will abate to the extent that TfNSW is unable to obtain such agreement from Cubic and so remains (or potentially) remains liable to pay such amounts to Cubic. TfNSW will take all reasonable steps to help ensure that Parkeon receives payment of the Amount Payable and the Phase 2/3 HoA Charges either under this Agreement (or the Long Form Agreement) or via Cubic (noting that TfNSW cannot compel Cubic to make a payment to Parkeon under the Existing Parkeon Subcontract).

The unit of measurement for time and materials charges (whether the Phase 2/3 HoA Charges or the Further T&M Components) will be based on timesheets, invoices or other evidence of effort expended and costs incurred (the **T&M Conditions**).

**5. Milestones:** Payment by TfNSW to Parkeon of the Amount Payable for the Cash on System Hardware Component will be made on a milestone basis upon completion of the following milestones:

- 50% of the Amount Payable upon sign-off of prototypes and commencement of manufacturing and (subject to paragraph 6 below) the following conditions (the **Manufacturing Conditions**) being met:
  - prototypes viewed and signed off;
  - prototype reader viewed and signed off by TfNSW;
  - artwork viewed and signed off by TfNSW;
  - evidence of orders for complete BOM (bill of materials) hardware and supplier confirmations including delivery dates sighted;
  - evidence of order for electronics and supplier confirmations delivery dates sighted; and
  - manufacturing schedule sighted,  
(the **First Milestone Payment**);
- 25% of the Amount Payable on a pro-rata basis (when compared to the total number of machines) upon factory acceptance of each batch of machines subject to the following conditions being met (the **FAT Stage**):
  - factory acceptance test (FAT) completed and quality certificate sighted for each unit;
  - inventory of the batch including serial number;
  - defect register for each batch sighted;
  - re-work register sighted supported by FAT and quality certificate; and
  - TfNSW sign-off on FAT; and
- 25% of the Amount Payable on a pro-rata basis (when compared to the total number of machines) upon delivery of the machines to an agreed location subject to the following conditions being met (the **Delivery Stage**):
  - in-country FAT re-test register;
  - quality inspection certificate;
  - visual inspection certificate;
  - serial number register;
  - stores record;
  - delivery receipt; and
  - TfNSW sign-off on delivery.

**6. Initial Payments:** Subject to Cubic agreeing that the Amount Payable and the Phase 2/3 HoA Charges will be paid in full by TfNSW to Parkeon under this Agreement (and not to Cubic as a result of the Direction to Proceed), TfNSW will pay Parkeon as soon as reasonably possible after the submission of a valid invoice from Parkeon:

- (a) the First Milestone Payment, being the sum of [REDACTED] notwithstanding that Parkeon may not have met the Manufacturing Conditions. The fact that such payment is not contingent on the Manufacturing Conditions being met, however, does not otherwise affect TfNSW's rights in relation to, and Parkeon's obligation to meet, those Manufacturing Conditions; and
- (b) Parkeon's claimed Phase 2/3 HoA Charges for development work performed up to 31 May 2015, being the sum of [REDACTED]. This sum represents 70% of the full charges being claimed. The remaining 30% of the charges are subject to an audit as outlined in section 7 below. The parties will work in good faith to finalise this audit within 5 business days of this agreement and resultant payment of sums owed shall be made as soon as reasonably possible after the submission of a valid invoice from Parkeon. The fact that such payment is not contingent on the T&M Conditions being met, however, does not otherwise affect



TfNSW's rights in relation to, and Parkeon's obligation to meet, those T&M Conditions and to have correctly calculated such charges

(c) the hardware warranty and the software warranty, being the sum of [REDACTED]

TfNSW anticipates making a further payment of the Amount Payable in the near-term, being the sum of [REDACTED] in relation to the FAT Stage and Delivery Stage for the initial batch of 14 Galexio and 14 Astreo machines to be delivered to TfNSW upon Parkeon's achievement of each of the conditions applicable to those stages.

7. Invoicing: Where any of the Amount Payable or Phase 2/3 HoA Charges are to be paid by TfNSW under this Agreement, such payment obligation is subject to Parkeon providing TfNSW with invoices in respect of the payment (to be reasonably substantiated in relation to the Amount Payable), which must be valid tax invoices as required by clause 37.3(c) of the Existing Parkeon Subcontract. In order to allow for final payment to be made in GBP the payment mechanism in Attachment 3 shall be followed.

Parkeon will be entitled to invoice TfNSW for the Current T&M Component and Further T&M Components under the Long Form Agreement in accordance with the following invoicing process:

- a) For TfNSW Managed Activities Parkeon will submit a monthly formal invoice for the work undertaken by applying the rates set out in the attachment 1 to this Agreement. TfNSW will pay the invoice for that undisputed amount in accordance with the invoicing provisions of the Long Form Agreement (which will be based on clauses 33.1, 33.5(c) and 33.5(f) of the Existing Parkeon Subcontract);
- b) For Parkeon Managed Activities on a monthly basis, Parkeon will prepare and deliver to TfNSW a draft invoice detailing the rates and prices applicable to such work by applying the rates set out in the attachment 1 to this Agreement , with reference (for the purpose of management tracking but not payment) to the Overall ETS Delivery Program (as defined in the Long Form Agreement), and include with that invoice reasonable evidence substantiating those costs incurred (such as, by way of example, timesheets and/or invoices) to TfNSW's satisfaction;
  - o TfNSW will endeavour to review the draft invoice and the evidence provided substantiating those costs within 6 business days of receipt and, after applying a reasonable tolerance for any discrepancies, by the end of that 6 business days, will notify Parkeon of the undisputed amount of the draft invoice;
  - o Parkeon may then issue an invoice reflecting the undisputed amount and TfNSW will pay the invoice for that undisputed amount in accordance with the invoicing provisions of the Long Form Agreement (which will be based on clauses 33.1, 33.5(c) and 33.5(f) of the Existing Parkeon Subcontract); and
  - o once any disputed amount has been agreed to be payable by TfNSW, Parkeon may submit an additional invoice for that amount and TfNSW will



pay such invoice in accordance with those same invoicing provisions of the Long Form Agreement.

- 8. Delivery:** A comprehensive schedule of work packages is to be developed and agreed by the Parties and managed by the relevant project managers to ensure delivery of the Cash on System Hardware Component by the Completion Date. Delivery must be aligned with the existing ETS delivery program under the Project Deed. A copy of the current RACI, setting out the principal work packages agreed by the Parties, is attached to this Agreement. The Parties acknowledge that at the date of signing this Agreement the RACI remains subject to future changes to be agreed by the Parties.
- 9. Completion:** The parties agree that the Completion Date for the Cash on System Hardware Component will be finalised under the long form agreement however a date of December 2015 is currently target for installation of all devices.

- 10. Insurance:** The Parties agree that the insurance provisions under the Existing Parkeon Subcontract will apply so that only the following insurances described in those provisions are required to be taken out by Parkeon (and not TfNSW) in the amounts shown:

The insurance set out in clause...	Amount required
41.1(a)(i)(B) relating to loss, destruction or damage in transit	The full value of the Cash on System Hardware Components
41.1(a)(ii), relating to public and products liability	\$25 million
41.1(a)(iii), relating to motor vehicles	As required by law
41.1(a)(iv), relating to professional indemnity	\$20 million
41.1(a)(v), relating to employer's liability and worker's compensation	As required by law
41.1(a)(vii), relating to IP infringements	\$20 million
41.1(a)(x), relating to loss, destruction or damage prior to delivery	The full value of the Cash on System Hardware Components

- 11. Defects:** The warranties and other obligations of Parkeon to TfNSW apply to the entirety of the Cash on System Hardware Component, Current T&M Component and Further T&M Components notwithstanding that some of the work performed by Parkeon will have been performed and paid for under the Existing Parkeon Subcontract (however this does not include the provision of any ETS Operational Services (as defined in the Existing Parkeon Subcontract) unless and until the parties agree that such services are in-scope under the Long Form Agreement). However, the Parties agree that to the extent a defect arises because of a fault in the design of the Cash on System Hardware Component, Cubic will be liable for the defect as the entity responsible for designing the Cash on System Hardware Component. To the extent a defect arises out of Parkeon's failure to develop and manufacture the Cash on System Hardware Component or perform the Current T&M Component or Further T&M Components in accordance with Cubic's design, Parkeon will be liable for the defect as the entity responsible for development and manufacture.



Transport  
for NSW

- 12. Risk** Risk in each Cash on System Hardware Component will not pass to TfNSW until receipted delivery into the custody of TfNSW at the final delivery location.

The Parties agree that the terms of this Agreement constitute Confidential Information for the purposes of the Existing Parkeon Subcontract.

The Parties acknowledge that this Agreement is intended to be a valid, enforceable and legally binding Agreement effective from the date of this Agreement notwithstanding that the Long Form Agreement is intended to be prepared and entered into between the Parties after the date of this Agreement.

This Agreement may be executed in a number of counterparts and all such counterparts taken together will be deemed to constitute one and the same agreement.

Date of Agreement: 21<sup>st</sup> June 2015

Signed for and on behalf of TfNSW by its authorised signatory:

Signature .....

A handwritten signature in blue ink that appears to read "GREG ELLIS".

Print name .....

Signed for and on behalf of Parkeon by its authorised signatory:

Signature .....

A handwritten signature in blue ink that appears to read "Thomas Beeton".

Digitally signed by thomas beeton  
DN: cn=thomas beeton, o=Parkeon,  
ou=Head of Commercial,  
email=tbeeton@parkeon.com, c=GB  
Date: 2015.09.28 09:21:56 +01'00'

Print name THOMAS BEETON



#### Attachment 1 – Parkeon's T&M rates

The T&M (Time and Material) Components include a time component (labour at hourly rates) and a material component (covering all non-labour elements).

##### Time Component

The rates applicable for labour associated with Current T&M Component and Further T&M Components are provided below.

Service Discipline	Total hourly rate per hour (£) 2015 rates *
Project Director	
Project Manager	
Quality Manager	
Hardware Design Manager	
Test Manager	
Technical Design Engineer	
Software/Hardware Engineer	
Installation Technician	
Trainer	

\* Subject to indexation in accordance with the Existing Parkeon Subcontract

Where other disciplines not identified above are required, the nearest equivalent rate will be applied from the categories above and agreed with TfNSW. In each Service Discipline, the hourly rate applied is a fixed average rate across the discipline and covers permanent, temporary and contracted resources. Parkeon will not increase these rates in the event that more costly resources are needed to achieve an accelerated schedule unless the direct cost of such resources are significantly higher than the rates above, in which case Parkeon will raise the issue with TfNSW for mutual agreement.

##### Materials Component

Rates applicable for all non-labour costs will be calculated in accordance with the following:

cost + Margin

Where 'Margin' means:

Parkeon overhead and profit which will be applied as follows:

- (i) an overhead of [REDACTED] of the cost or expense (**Indirect Overhead**); and
- (ii) a profit of [REDACTED] of the sum of the cost or expense and the Indirect Overhead (**Profit**).

The parties agree that the term Margin will be reviewed under the Long Form Agreement.



**Attachment 2 – Baseline Program Plan**

Note: All activities indicated under the title of Parkeon Resource AU in the Baseline Plan are TNSW Managed Activities

Unique ID	Task Name	W/P/WI	Duration	Work	Start	Finish	Predecessors	Successors
1	<b>SYDNEY SSM</b>	n/a	335 days	5,118.03 days	Fri 03/10/14	Fri 12/02/16		
811	Dependencies with TfNSW				Tue 14/07/15	Thu 28/01/16		
809	External Dependencies from TfNSW COS				Fri 09/10/15	Thu 19/11/15		
808	Test				Fri 09/10/15	Thu 19/11/15		
807	HDI-100001: COS to Start SIT Cycle 1- P1 Test for Parkeon	COS03033	133 days	0 days	Fri 09/10/15	Fri 09/10/15		
806	HDI-100002: COS to Start SIT Cycle 1- P2, 3 & 4 Test for Parkeon	COS03035	29 days	0 days	Fri 09/10/15	Thu 19/11/15		
805	HDI-100003: COS to Start SIT Cycle 2- P1 Test for Parkeon	COS03142	29 days	0 days	Fri 09/10/15	Thu 19/11/15		
804	HDI-100004: COS to Start SIT Cycle 2 - P2,3 & 4 Test for Parkeon	COS03143	0 days	0 days	Fri 16/10/15	Fri 16/10/15		
803	HDI-100005: COS to Start SIT Cycle 3 Full Test for Parkeon	COS03144	0 days	0 days	Fri 23/10/15	Fri 23/10/15		
802	HDI-100006: COS to Start SIT Cycle 4 Full Test for Parkeon	COS03145	0 days	0 days	Fri 30/10/15	Fri 30/10/15		
801	HDI-100007: COS to Complete SIT Cycle 1- P1 Test for Parkeon	COS03146	0 days	0 days	Fri 06/11/15	Fri 06/11/15		
800	HDI-100008: COS to Complete SIT Cycle 1- P2,3 & 4 Test for Parkeon	COS03147	0 days	0 days	Fri 13/11/15	Fri 13/11/15		
799	HDI-100009: COS to Complete SIT Cycle 2- P1 Test for Parkeon	COS03148	0 days	0 days	Thu 15/10/15	Thu 15/10/15		
798	HDI-100010: COS to Complete SIT Cycle 2 - P2,3 & 4 Test for Parkeon	COS03149	0 days	0 days	Thu 22/10/15	Thu 22/10/15		
797	HDI-100011: COS to Complete SIT Cycle 3 Full Test for Parkeon	COS03150	0 days	0 days	Thu 29/10/15	Thu 29/10/15		
796	HDI-100012: COS to Complete SIT Cycle 4 Full Test for Parkeon	COS03151	0 days	0 days	Thu 05/11/15	Thu 05/11/15		
795	External Dependencies to TfNSW COS				COS03152	0 days		
794	Test				COS03153	0 days		
793	HDO-100013: Parkeon to Complete System Test - UK Drop 1 for COS	COS03154	133 days	0 days	Tue 14/07/15	Thu 28/01/16		
792	HDO-100014: Parkeon to Complete System Test - UK Drop 2 for COS	COS03155	0 days	0 days	Fri 07/08/15	Fri 07/08/15		
791	HDO-100015: Parkeon to Complete System Test - UK Drop 3 for COS	COS03156	0 days	0 days	Fri 21/08/15	Fri 21/08/15		
790	HDO-100016: Parkeon to Complete System Test - UK Drop 4 for COS	COS03157	0 days	0 days	Fri 11/09/15	Fri 11/09/15		
789	HDO-100017: Parkeon to Complete System Test - UK Drop 5 for COS	COS03158	0 days	0 days	Fri 25/09/15	Fri 25/09/15		
788	HDO-100018: Parkeon to Complete System Test - UK Drop 6 for COS	COS03159	0 days	0 days	Fri 09/10/15	Fri 09/10/15		
787	HDO-100019: Parkeon to Complete FAT for COS	COS03160	0 days	0 days	Fri 09/10/15	Fri 09/10/15		

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786		HW Shipment													Tue 14/07/15
785	COS Install	HDO-100020: Parkeon to send Astreo Batch 1a (2 Unit) Shipment by Air for COS03162	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	Tue 14/07/15
784	COS Install	HDO-100021: Parkeon to send Astreo Batch 1b (8 Units) Shipment by sea for COS03163	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	Sat 03/10/15
783	COS Install	HDO-100022: Parkeon to send Astreo Batch 2 (30 Units) Shipment by sea for COS03164	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	Sat 03/10/15
782	COS Install	HDO-100023: Parkeon to send Astreo Batch 3 (30 Units) Shipment by sea for COS03165	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	Sat 31/10/15
781	COS Install	HDO-100024: Parkeon to send Astreo Batch 4 (30 Units) Shipment by sea for COS03166	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	Wed 02/09/15
780	COS Install	HDO-100025: Parkeon to send Astreo Batch 5 (30 Units) Shipment by sea for COS03167	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	Thu 12/11/15
779	COS Install	HDO-100026: Parkeon to send Astreo Batch 6 (30 Units) Shipment by sea for COS03168	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	Sun 06/12/15
778	COS Install	HDO-100027: Parkeon to send Astreo Batch 7 (30 Units) Shipment by sea for COS03169	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	Fri 01/01/16
777	COS Install	HDO-100028: Parkeon to send Astreo Batch 8 (20 Units) Shipment by sea for COS03170	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	Thu 28/01/16
776	COS Install	HDO-100029: Parkeon to send Galexio Batch 1a (2 Unit) Shipment by Air for COS03171	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	Mon 17/08/15
775	COS Install	HDO-100030: Parkeon to send Galexio Batch 1b (8 Units) Shipment by sea for COS03172	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	Sat 03/10/15
774	COS Install	HDO-100031: Parkeon to send Galexio Batch 2 (30 Units) Shipment by sea for COS03173	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	Sat 31/10/15
773	COS Install	HDO-100032: Parkeon to send Galexio Batch 3 (31 Units) Shipment by sea for COS03174	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	0 days	Thu 12/11/15
2		Project Delivery (Phases 1 to 3 - Stage 29, 29a & 29b)	335 days	5,118.03 days	Fri 03/10/14										
3		Project Mobilisation	n/a	101 days	Fri 03/10/14										
4		Transition to project Scenario 3	3/3	0 days	Fri 03/10/14										
5		C7S to provide RFP for Scenario 3	n/a	0 days	Thu 28/10/14										
6		PKN to provide a response to the revised RFP	n/a	14 days	Fri 14/11/14										
7		Delivery of Hardware Customisation Document (TNSW) (PART 1)	n/a	25 days	Mon 27/11/14										
8		Delivery of Hardware Customisation Document (TNSW) (PART 2)	n/a	10 days	Mon 01/12/14										
9		OTS to provide initial Phase 1 Payment on Completion of Workshops	n/a	0 days	Fri 30/11/15										
10		OTS to provide direction to agreed and Mobilisation Payment for Hardware	n/a	0 days	Fri 28/11/14										

		Contract negotiations between TfNSW/CTS/PKN	n/a	55 days	165 days	Mon 17/11/14	Fri 13/02/15	44
11		<i>Project Milestone Contract Award</i>	n/a	0 days	0 days	Fri 13/02/15	Fri 13/02/15	49
12		Cubic (TfNSW) to ratify the content of Phase 4 following the outcome of the workshops	n/a	0 days	0 days			50
13		Submission of Phase 4 Costs and Schedule	n/a	0 days	0 days	Wed 04/03/15	Fri 03/10/14	192,105F5+10 days
14		Parkeon Resource UK	n/a	335 days	1,095.3 days	Fri 03/10/14	Fri 12/02/16	52,183
15		Project Director	44165	235 days	128.75 days	Fri 03/10/14	Thu 17/09/15	42
16		Project Director	44165	98 days	29.4 days	Fri 18/09/15	Fri 12/02/16	54
420		Project Management	44164	292 days	233.6 days	Fri 03/10/14	Wed 23/12/15	42
17		Lead-in for establishing AU Resource (Requires Cubic's DnP)		20 days	0 days	Thu 26/08/15	Thu 17/09/15	54F5-20 days
585		Technical Design Authority	44178	132 days	132 days	Fri 13/02/15	Fri 09/10/15	348
19		Solution Architect	44179	53 days	42.4 days	Fri 27/02/15	Fri 15/02/15	176
511		Solution Architect	44179	33 days	9.9 days	Tue 25/08/15	Fri 09/10/15	316
20		UK Project Coordinator	44162	304 days	243.2 days	Fri 03/10/14	Wed 23/12/15	303
21		Integration/IT Support	44147	39 days	19.5 days	Man 17/08/15	Fri 09/10/15	306
512		Project Accountant	44166	218 days	21.8 days	Man 16/02/15	Wed 23/12/15	42
23		Commercial Management (Contracts)	44141	304 days	30.4 days	Fri 03/10/14	Wed 23/12/15	346
24		Hardware Design Manager	44142	140 days	14 days	Fri 03/10/14	Tue 05/05/15	303
25		Purchasing Manager	44167	145 days	7.25 days	Fri 03/10/14	Tue 12/05/15	42
26		CAD Draughtsman	44142	130 days	52 days	Fri 03/10/14	Mon 20/04/15	317
28		Project Scheduler	44160	291..82 days	58.4 days	Fri 03/10/14	Wed 23/12/15	42
29		Stores Manager	44138	211 days	10.55 days	Mon 16/02/15	Mon 14/12/15	42
30		Export Clerk	44139	154 days	42.2 days	Wed 22/04/15	Mon 14/12/15	431
31		Sales Administrator	44166	304 days	19.95 days	Fri 03/10/14	Wed 23/12/15	42
32		Parkeon Resource AU	44165	141 days	377.6 days	Man 20/07/15	Fri 12/02/16	42
883		AU Project Coordinator		107 days	66.6 days	Mon 07/09/15	Fri 12/02/16	
876		Installation and Commissioning Manager		141 days	141 days	Mon 20/07/15	Fri 12/02/16	
882		Commissioning Engineer 1		57 days	57 days	Mon 16/11/15	Fri 12/02/16	
886		Commissioning Engineer 2		57 days	57 days	Mon 16/11/15	Fri 12/02/16	
885		Commissioning Engineer 3		28 days	28 days	Mon 16/11/15	Wed 23/12/15	
884								

881	Commissioning Engineer 4	28 days	28 days	Mon 16/11/15	Wed 23/12/15
33	<b>Dependencies</b>	243 days	63 days	Fri 03/10/14	Fri 25/08/15
34	Cubic to organise/host Design workshops with appropriate stakeholders (both n/a Cubic and TfNSW as a minimum)	0 days	0 days	Mon 10/11/14	Mon 10/11/14
35	TfNSW to confirm initial hardware configuration for each SSM type.	0 days	0 days	Fri 28/11/14	45
36	TfNSW to confirm Final hardware configuration for each SSM type.	0 days	0 days	Fri 12/12/14	46
37	Cubic to ensure all customer furnished hardware (i.e. Ingenico iSelf EMV reader) is provided with appropriate EMC certificate.	0 days	0 days	Tue 10/03/15	48,412FS+20 days
38	Cubic to provide on-going support of the Ingenico iSelfSeries readers and relevant SDK and documentation from CBA for software integration, commissioning n/a and subsequent full term operational life.	0 days	0 days	Fri 28/11/14	48
41	Cubic to ensure the delivery of all ETS Entities Works (EEW) section 2.14 of Cash on System - TfNSW Scope of Works and Requirements are delivered in a timely n/a manner (this is on-going dependency through the entire life time of the project)	0 days	0 days	Fri 28/11/14	48
42	Cubic to provide all appropriate training and access/licences to the tools which n/a Cubic require Parkeon to use (i.e. QC	0 days	0 days	Fri 16/01/15	48,126
44	TfNSW to confirm final hardware colour (RAI) and decal designs for each SSM type.	0 days	0 days	Fri 12/12/14	81.82
45	TfNSW to sign-off the updated hardware specifications following confirmation of the final hardware colour (RAI) and decal designs for each SSM type.	0 days	0 days	Thu 12/02/15	171,172
46	Cubic to provide 1 free issue Ingenico iSelfSeries Space Model readers and relevant SDK and documentation from CBA for software integration. With n/a associated test/commissioning cards.	30 days	30 days	Thu 18/12/14	395
513	Cubic to provide 2 free issue Ingenico Desktop iSelf Development Kits. With n/a associated test/commissioning cards.	0 days	0 days	Wed 11/02/15	48FS+14 days
47	TfNSW HMI Specification	0 days	0 days	Fri 20/03/15	95,267
48	TfNSW Ticker Specifications (Smartcard and Printer Receipt)	0 days	0 days	Wed 28/01/15	140,168
49	Cubic SSM Topology, Products and Pares Specifications (27/3 late - revised date from CTS 8/5)	33 days	33 days	Thu 12/02/15	197
50	TfNSW System Topology, National Location Codes (NLC) and Comms Group Information	0 days	0 days	Fri 27/03/15	207
51	Cubic to provide CBA middleware software and test payment gateway access for development and testing including all relevant documentation from CBA. PKN n/a require the following Test Card Sets (2 x PKN UK - 1 x PKN AU - 1 x PKN FR)	0 days	0 days	Tue 14/05/15	141,169
52	In order to properly test the rejection of cash, TfNSW to provide sets of damaged/defaced/fake Australian currency and sets of local foreign coin currency (NZ, Fiji, US, Indonesia, etc.) to test that these coins are rejected	n/a	0 days	Fri 15/05/15	141,169
53	TfNSW to provide a detailed list of all sites and addresses for survey and n/a	0 days	0 days	Thu 08/01/15	207,303
					317FS+15 days
					224,320
					284,267
					176.90
					Page 13
					Thu 08/01/15
					48FS+20 days

	Installation	TfNSW to confirm which type of Self Service Machine to be installed at each location	n/a	0 days	0 days	Thu 08/01/15	Thu 08/01/15	48FS+20 days
54	Mutual agreement and final provision of vPOS Interface Specification	n/a	0 days	0 days	Thu 19/03/15	Thu 19/03/15	178	103,100
55	Cubic (TfNSW) to review and/or approve all design documentation as specified within this schedule.	n/a	0 days	0 days	Wed 24/06/15	Wed 24/06/15	99,179	181
56	Paper samples for IML receipt printing are to be provided for verification and approval, plus a Qty for testing activities post verification	n/a	0 days	0 days	Wed 06/05/15	Wed 06/05/15	48FS+30 days,175	397
57	Ultralight C Type A Cards samples for IMS printing are to be provided for verification and approval. Plus a Qty for testing activities post verification	n/a	0 days	0 days	Fri 22/05/15	Fri 22/05/15	48FS+30 days,173	398
58	Cubic to provide access to a working vPOS test environment for development and testing as per the agreed vPOS Interface Specification	n/a	0 days	0 days	Thu 19/03/15	Thu 19/03/15	104,250,259,244	
60	Cubic to provide 6 sets of sample cards (covering each variant and product type, blacklisted cards etc.) Opal Smartcards for development, integration and testing	n/a	0 days	0 days	Thu 19/03/15	Thu 19/03/15	99	
61	Cubic (TfNSW) to arrange Installation & Service project initiation workshops with appropriate stakeholders	n/a	0 days	0 days	Mon 09/03/15	Mon 09/03/15	50FS+10 days	475
62	Cubic to supply Ingenico iSelf Series units equipped with CBA firmware for integration into SSM's at point of manufacture (DDP to Besancon France)	n/a	0 days	0 days	Mon 10/08/15	Mon 10/08/15	48FS+40 days,402	
65	Cubic (TfNSW) to identify field test site locations within 25k range of CBD	n/a	0 days	0 days	Tue 31/03/15	Tue 31/03/15	475	
67	Cubic to provide suitable Integrated Test Facility remotely accessible (from the UK) environment for integration and system testing to be established in Sydney	n/a	0 days	0 days	Fri 03/10/14	Fri 03/10/14		
69	Cubic (TfNSW) to review and/or approve all test documentation within 5 days of submission	n/a	0 days	0 days	Fri 25/09/15	Fri 25/09/15	327	338
72	TfNSW to identify installation deployment sequence allowing for a cost effective and efficient installation (i.e. devices installed next day should be in close proximity to the area of deployment from the previous day))	n/a	0 days	0 days	Tue 31/03/15	Tue 31/03/15	414FS+20 days	432,460
75	TfNSW to ensure all groundwork's identified during the survey stage have been completed prior to installation and commissioning.	n/a	0 days	0 days	Fri 03/10/14	Fri 03/10/14		
77	TfNSW to ensure that a suitable power supply meeting the required standards in hardware specification is provided up to the termination point within each device.	n/a	0 days	0 days	Fri 03/10/14	Fri 03/10/14		
79	TfNSW to ensure that a suitable Ethernet communications cable meeting the required standards in hardware specification provided up to the termination point within each device	n/a	0 days	0 days	Fri 03/10/14	Fri 03/10/14		
80	TfNSW to ensure that all legacy products are removed in good time to allow preparation of the location for the new device.	n/a	0 days	0 days	Fri 03/10/14	Fri 03/10/14		
81	TfNSW to ensure that the removal of any fabricated fascia, hoardings or exterior trim will be conducted in advance of the installation.	n/a	0 days	0 days	Fri 03/10/14	Fri 03/10/14		

82	TfNSW will be responsible for the removal of any hazardous materials (e.g. asbestos) discovered on site during the survey or installation phases.	n/a	0 days	0 days	Fri 03/10/14								
83	TfNSW to ensure that the identified SSM locations meet with Parkeon pre installation requirements	n/a	0 days	0 days	Fri 03/10/14								
85	TfNSW to provide approval of proposed Install Locations	n/a	0 days	0 days	Fri 03/10/14								
86	Parkeon will require remote access via the TfNSW Network to complete the commissioning process.	n/a	0 days	0 days	Fri 03/10/14								
87	Cubic to provide all consumable items for each installation including tickets, receipt rolls and suitable cash float (to be agreed) to enable commissioning and operational service.	n/a	0 days	0 days	Fri 03/10/14								
88	A nominated member of TfNSW will be available at each installation to sign-off the inspection certificate. (On-going dependency for the entire deployment period)	n/a	0 days	0 days	Fri 03/10/14								
92	Cubic to provide the Production EMV solution (Reader, Payment Gateway, PSP/Accruer including all relevant certification (EMV, PCI and AS2805) as defined within TfNSW Specifications	n/a	0 days	0 days	Fri 03/10/14								
97	<b>Phase 1 Requirements and Design (Scenario 3) Stage 29</b>	n/a	<b>208 days</b>	<b>340.5 days</b>	<b>Fri 03/10/14</b>	<b>Fri 07/08/15</b>							
98	User Requirements Review	n/a	56 days	168 days	Fri 03/10/14								
99	User Requirements Sign-off	n/a	0 days	0 days	Fri 19/12/14								
100	System Requirements Traceability and Scope Split (DOORS)	n/a	10 days	10 days	Mon 05/01/15								
101	Delivery to Parkeon of System Requirements Traceability and Scope Split (DOORS)	n/a	0 days	0 days	Fri 16/01/15								
102	Preparation of Initial Design Documentation	n/a	10 days	10 days	Mon 20/10/14								
103	Submission Period of Initial Design Documentation	n/a	5 days	5 days	Mon 27/10/14								
104	Review Period for Initial Design Documentation	n/a	3 days	3 days	Wed 29/10/14								
105	<b>Design Workshops</b>	n/a	59 days	11.5 days	Wed 29/10/14								
106	TfNSW Visit to Besantcon Manufacturing Facility	n/a	1 day	1 day	Wed 29/10/14								
107	TfNSW Visit to UK Rail Customer TBC	n/a	1 day	1 day	Fri 31/10/14								
108	<b>UK (Poole) Workshops</b>	n/a	5.5 days	5.5 days	Mon 03/11/14								
109	Device Familiarisation, System Architecture, Scenario 3 - Transfolio (standard product presentation) Hostling/Security	n/a	0.5 days	0.5 days	Mon 03/11/14								
110	Transfolio - System Alerts and Monitoring (standard product presentation)	n/a	0.5 days	0.5 days	Mon 03/11/14								
111	System Use Cases & Requirements allocation	n/a	0.5 days	0.5 days	Tue 04/11/14								
112	System Use Cases & Requirements allocation, Smartcard Specification discussion (if required)	n/a	0.5 days	0.5 days	Tue 04/11/14								
113	System Topology & SSM Configuration Grouping for Comms, SSM Sales Application HMI	n/a	0.5 days	0.5 days	Wed 05/11/14								

114	SSM Sales Application HMI	n/a	0.5 days	0.5 days	Wed 05/11/14	139
115	Products and Tickets	n/a	0.5 days	0.5 days	Thu 06/11/14	140
116	Reporting	n/a	0.5 days	0.5 days	Thu 06/11/14	141
117	Review and wrap up session and/or Phase 4 Scope Discussion	n/a	0.5 days	0.5 days	Fri 07/11/14	142
118	Travel for Sydney Workshops	n/a	1 day	1 day	Fri 07/11/14	144
119	Sydney Workshops	n/a	32.5 days	4 days	Mon 10/11/14	80,146
120	Transfolio Demo - (late afternoon evening as we will need UK dial in support)	n/a	0.5 days	0.5 days	Mon 10/11/14	147
121	Transfolio Demo -TBC, Operations Design, Roles and Responsibilities	n/a	0.5 days	0.5 days	Tue 11/11/14	148
122	Reporting and Alerting and Monitoring for Cubic attendees	n/a	0.5 days	0.5 days	Tue 11/11/14	149
123	VPOS Demo, VPOS Reader Interface	n/a	0.5 days	0.5 days	Wed 12/11/14	150
124	VPOS Reader Interface	n/a	0.5 days	0.5 days	Wed 12/11/14	151
125	Cash Reconciliation and Back Office Interface	n/a	0.5 days	0.5 days	Thu 13/11/14	152
126	Cash Reconciliation and Back Office Interface, Core System – CCS to RSS, and related back office use cases	n/a	0.5 days	0.5 days	Thu 13/11/14	153
127	Phase 2 Review and Wrap up session and/or Phase 4 Scope Discussion	n/a	0.5 days	0.5 days	Fri 14/11/14 -	47,183,192,158,15
128	Jakub Palka / Kenneth Goi on Holiday	n/a	6 days	0 days	Mon 15/12/14	126
129	Phase 1 Mobilisation Payment Part 1	n/a	0 days	0 days	Fri 30/01/15	153
130	Preparation of Detailed Design Documentation	n/a	140 days	119 days	Mon 19/01/15	Fri 07/08/15
131	Jakub Palka preparation and support of Shane Feeney's visit to PKN	n/a	3 days	3 days	Mon 19/01/15	Wed 21/01/15
132	Preparation of Detailed Design Documentation	n/a	16 days	16 days	Thu 22/01/15	158
133	01 - SSM System Architecture CTS/PKN	n/a	0 days	0 days	Thu 12/02/15	48,127,128,12 65,166,167,169,17
134	02 - System Use Cases CTS/PKN	n/a	0 days	0 days	Mon 02/02/15	9,130,153,157 1,172,176F5-10
135	.03 - Transfolio Back Office Specification PKN	n/a	0 days	0 days	Thu 12/02/15	158
136	.04 - Transfolio Back Office Database Schema PKN	n/a	0 days	0 days	Mon 09/02/15	177
137	.05 - Transfolio Alerts and Monitoring PKN	n/a	0 days	0 days	Thu 12/02/15	158
138	.06 - Cash Reconciliation CTS	n/a	0 days	0 days	Thu 12/02/15	177
139	.07 - Cubic CCS Reporting CTS	n/a	0 days	0 days	Thu 12/02/15	158
140	.08 - CBA Interface CBA or CTS	n/a	0 days	0 days	Thu 12/02/15	158
141	.09 - VPOS Interface CTS Perth	n/a	0 days	0 days	Thu 12/02/15	177
142	.10 - SSM HMI (CLD2 based UI) TfNSW	n/a	0 days	0 days	Wed 28/01/15	250,259,177,243
143	.11 - SMM Ticket Definitions (Utlitght & Printed Receipts) TfNSW	n/a	0 days	0 days	Thu 12/02/15	91,177,197
144	.12 - SSM Engineering Maintenance System PKN	n/a	0 days	0 days	Mon 09/02/15	92,93,177
						177

145	13 - Astreo Hardware Specifications PKN	n/a	0 days	0 days	Thu 12/02/15	Thu 12/02/15	87,158	88,177
146	14 - Galexio Hardware Specifications PKN	n/a	0 days	0 days	Thu 12/02/15	Thu 12/02/15	87,158	88,177
147	15 - SSM Disposable Smart Card Technical Specification CTS/PKN	n/a	0 days	0 days	Mon 09/02/15	Mon 09/02/15	102,177	102,177
148	16 - Back Office Hardware Specification CTS/PKN	n/a	0 days	0 days	Wed 11/02/15	Wed 11/02/15	177	177
149	17 - Thermal Paper and Hub Specification for TFC1 MLS Printer PKN	n/a	0 days	0 days	Wed 21/01/15	Wed 21/01/15	101,177	101,177
150	Submission Period of Detailed Design Documentation	n/a	10 days	10 days	Fri 30/01/15	Thu 12/02/15	158FS-10 days	58,94,95,327FS+26 days,316
151	TfNSW Review Period for Detailed Design Documentation (Phase 1a only)	n/a	43 days	43 days	Fri 13/02/15	Thu 16/04/15	159,160,161,1 62,163,164,16 5,166,167,168 ,169,170,171, 172,173,174,1 75	178
152	Detailed Design Rework Period	n/a	8 days	8 days	Fri 17/04/15	Tue 28/04/15	177	99,179
153	TfNSW Final Review	n/a	39 days	39 days	Wed 29/04/15	Wed 24/06/15	178	100,180
640	Rework Period 3rd and Final Submission	n/a	10 days	0 days	Thu 25/06/15	Wed 08/07/15	179	181
154	Project Milestone Design Sign-off	n/a	0 days	0 days	Fri 07/08/15	Fri 07/08/15	100,180,189	182
155	Phase 1 Mobilisation Payment Part 2	n/a	0 days	0 days	Fri 07/08/15	Fri 07/08/15	181	181
156	Preparation of Cost and Schedule for the Optional Phase 4	n/a	14 days	14 days	Fri 13/02/15	Wed 04/03/15	51,153,158	52,184
157	Phase 1 Mobilisation Payment Part 3	n/a	0 days	0 days	Fri 07/08/15	Fri 07/08/15	183	183
557	Phase 1b Additional Documents	n/a	54 days	0 days	Thu 16/04/15	Thu 02/07/15	187	187
558	Solution High Level Overview	n/a	1 day	0 days	Thu 16/04/15	Thu 16/04/15	187	187
559	SSM Software FRS	n/a	8 days	0 days	Fri 17/04/15	Tue 28/04/15	186	188
560	TfNSW Review Period for Additional Design Documentation (Phase 1b)	n/a	40 days	0 days	Wed 29/04/15	Thu 25/06/15	187	189
556	Detailed Design Rework Period	n/a	5 days	0 days	Fri 26/06/15	Thu 02/07/15	188	181
153	Development Phase - Stage 29a	n/a	200 days	1,379,25 days	Mon 05/01/15	Fri 16/10/15	194,243,197,224	194,243,197,224
159	Team Mobilisation & Set-up	44164	12 days	120 days	Mon 05/01/15	Tue 20/01/15	194,243,197,224	194,243,197,224
160	Development Commences	n/a	0 days	0 days	Fri 13/02/15	Fri 13/02/15	50,153	235,308,216,284,2
161	SSM Development	n/a	138 days	1,259,25 days	Wed 21/01/15	Fri 16/10/15	67	67
421	Software Team Leader	44417	178 days	142,4 days	Wed 21/01/15	Fri 09/10/15	191	325
162	HMI Implementation	44176	60 days	60 days	Wed 28/01/15	Thu 23/04/15		
163	UI View Implementation	44268	50 days	50 days	Wed 28/01/15	Thu 09/04/15		
425	UI Framework Design	44268	5 days	5 days	Wed 28/01/15	Tue 03/02/15	191,91,168	198
426	Opal Card Top-up Screen Layouts Implementation	44268	10 days	10 days	Wed 04/02/15	Tue 17/02/15	197	199
424	Disposable Opal Card Screen Layouts Implementation	44268	10 days	10 days	Wed 18/02/15	Tue 03/03/15	198	200
423	Cash Payment Screen Layouts Implementation	44268	5 days	5 days	Wed 04/03/15	Tue 10/03/15	199	201

422	Card Payment Screen Layouts Implementation	44268	5 days	Wed 11/03/15	Tue 17/03/15	200	202
428	Galexo UI Screen Flow	44268	10 days	Wed 18/03/15	Tue 31/03/15	201	203
427	Error handling and Messaging	44268	5 days	Wed 01/04/15	Thu 09/04/15	202	204
164	Unit Testing	44269	10 days	Fri 10/04/15	Thu 23/04/15	203	207,320
165	Fares and products integration	44173	60 days	Mon 18/05/15	Mon 10/08/15		
166	Product Dictionary Loading	44232	15 days	Mon 18/05/15	Mon 08/06/15		
430	Reading BDP output files	44232	5 days	Mon 18/05/15	Fri 22/05/15	92,93,204	208
429	Building the Products Data Models (Including Topology)	44232	10 days	Tue 26/05/15	Mon 08/06/15	207	209
167	Loading Fares Data	44233	10 days	Tue 09/06/15	Mon 22/06/15	208	211
168	<b>Business Rules and Fare Calculation</b>	44270	15 days	Tue 23/06/15	Mon 13/07/15		
432	Top-up Business Rules and Fares	44270	5 days	Tue 23/06/15	Mon 29/06/15	209	212
431	Ticket Issue Business Rules and Fares	44270	10 days	Tue 30/06/15	Mon 13/07/15	211	213,220
169	Unit Testing	44272	20 days	Tue 14/07/15	Mon 08/08/15	212	323
170	<b>IMIS Changes</b>	44172	139 days	60 days	Mon 16/02/15	Thu 03/09/15	
171	Parking of the Ultralight Card	44263	116 days	20 days	Mon 16/02/15	Fri 31/07/15	
470	IMIS Printer Firmware update to introduce new events	44263	10 days	10 days	Mon 16/02/15	Fri 27/02/15	192
469	TV/M framework interface update for the printer	44263	10 days	10 days	Mon 20/07/15	Fri 31/07/15	216FS+80 days
515	New Fonts and Smart Card Layout	44263	10 days	10 days	Mon 16/03/15	Fri 27/03/15	219
172	Card Serial Number Handling	44264	15 days	15 days	Fri 07/08/15	Thu 27/08/15	262,218,217
173	Implementation of variable data	44265	5 days	5 days	Thu 13/08/15	Wed 19/08/15	221
174..	Unit Testing and Rework	44266	10 days	10 days	Thu 20/08/15	Thu 03/09/15	220
460	<b>EMS Changes</b>	44174	96 days	70 days	Wed 29/04/15	Mon 14/09/15	
459	<b>Cash Management Changes</b>	44478	96 days	20 days	Wed 29/04/15	Mon 14/09/15	
473	Customisation for AUD	44478	10 days	10 days	Wed 29/04/15	Wed 28/05/15	191,96,394
472	Adding BNR Support	44478	10 days	10 days	Thu 14/05/15	Thu 28/05/15	224
471	Updates to meet BNR Top-up requirements (deferred to Phase 4)	44478	0 days	0 days	Mon 14/09/15	Mon 14/09/15	232
458	<b>UI Changes</b>	44479	20 days	20 days	Mon 06/07/15	Fri 31/07/15	
475	New user interface maintenance and testing (VPos, CBA, HID)	44479	5 days	5 days	Mon 06/07/15	Fri 10/07/15	225
474	EMS Customisation to match hardware specification	44479	15 days	15 days	Mon 13/07/15	Fri 31/07/15	229
457	Printing Cash collection layout and Cash top-up receipt layouts	44481	10 days	10 days	Mon 03/08/15	Fri 14/08/15	229
476	EMS Testing Plug-in for VPos	44142	10 days	10 days	Mon 17/08/15	Fri 28/08/15	230
456	Unit Testing and Rework	44482	10 days	10 days	Tue 01/09/15	Mon 14/09/15	231
175	VPOS	44177	141 days	222.5 days	Fri 13/02/15	Fri 04/09/15	
176	<b>Low Level Card Operations</b>	44256	68 days	45 days	Mon 16/02/15	Tue 26/05/15	
177	Card detection - Reloadable	44256	10 days	10 days	Mon 16/02/15	Fri 27/02/15	192
							236

178	Card detection - Disposable	44256	5 days	5 days	Mon 02/03/15	Fri 06/03/15	235	237
179	Initiate card read process - Reloadable	44256	5 days	5 days	Mon 09/03/15	Fri 13/03/15	236	238
180	Initiate card read process - Disposable	44256	5 days	5 days	Mon 16/03/15	Fri 20/03/15	237	239
181	Handling of multiple cards	44256	10 days	10 days	Mon 27/04/15	Mon 11/05/15	238	240
182	Anti-tear and error cases	44256	10 days	10 days	Tue 12/05/15	Tue 26/05/15	239	259FS+12 days
183	VPOS Web Interface	44257	107 days	70 days	Fri 13/02/15	Fri 17/07/15		
184	Web interface to VPOS server	44257	35 days	20 days	Fri 13/02/15	Thu 02/04/15		
437	VPOS Client Web Service	44257	10 days	10 days	Fri 13/02/15	Thu 26/02/15	167,191	244
436	VPOS Log-on and Session Management	44257	10 days	10 days	Fri 20/03/15	Thu 02/04/15	243,103	245
185	Call-backs for APDU exchange - Reloadable	44257	10 days	10 days	Tue 07/04/15	Mon 20/04/15	244	246
186	Call-backs for APDU exchange - Disposable	44257	10 days	10 days	Tue 21/04/15	Thu 07/05/15	245	247
187	Recharge Request	44257	15 days	15 days	Fri 08/05/15	Fri 29/05/15	246	248,250
188	Card Issue Request to VPOS	44257	15 days	15 days	Mon 29/06/15	Fri 17/07/15	247,254	255
189	VPOS - Reloadable Cards	44259	50 days	35 days	Mon 01/06/15	Fri 07/08/15		
190	Read card image	44259	5 days	5 days	Mon 01/06/15	Fri 05/06/15	103,167,247	251
191	Read card history	44259	5 days	5 days	Mon 08/06/15	Fri 12/06/15	250	253
192	Parse card image and history	44259	10 days	10 days	Mon 15/06/15	Fri 26/06/15		
439	Parsing the Opal Card Image	44259	5 days	5 days	Mon 15/06/15	Fri 19/06/15	251	254
440	Parsing the Opal Card History	44259	5 days	5 days	Mon 22/06/15	Fri 26/06/15	253	255,248
193	Handle error cases	44259	5 days	5 days	Mon 20/07/15	Fri 24/07/15	254,248	256
194	Repeat card session	44259	5 days	5 days	Mon 27/07/15	Fri 31/07/15	255	257
195	Apply Card Updates	44259	5 days	5 days	Mon 03/08/15	Fri 07/08/15	256	263
196	VPOS Disposable Tickets	44260	40 days	40 days	Fri 12/06/15	Thu 06/08/15		
197	Printer jam and error status	44260	10 days	10 days	Fri 12/06/15	Thu 25/06/15	103,167,240FS	260
198	Handle error cases	44260	10 days	10 days	Fri 26/06/15	Thu 09/07/15	259	261
199	Apply card updates	44260	10 days	10 days	Fri 10/07/15	Thu 23/07/15	260	262
200	Read-back card	44260	10 days	10 days	Fri 24/07/15	Thu 06/08/15	261	263,219
201	Unit Testing and Rework	44261	19 days	32.5 days	Mon 10/08/15	Fri 04/09/15	257,262	323
202	CBA EMV	44175	104 days	234 days	Thu 09/04/15	Fri 04/05/15		
203	Card Reader Integration	44273	75 days	95 days	Thu 09/04/15	Fri 24/07/15		
204	CBA Middleware Integration	44273	25 days	20 days	Thu 09/04/15	Thu 14/05/15		
482	Prototyping with Hardware and Test Payment Gateway	44273	10 days	10 days	Thu 09/04/15	Wed 22/04/15	95,192,90	268
481	Design of CBA Web Service Component	44273	5 days	5 days	Thu 23/04/15	Wed 29/04/15	267	271,284,259
483	Integration of the Middleware into the Build System	44273	5 days	5 days	Fri 08/05/15	Thu 14/05/15	268,271	272
205	CBA Interface Implementation	44273	60 days	25 days	Thu 30/04/15	Fri 24/07/15		

486	CBA Web Service Wrapper Implementation	44273	5 days	Thu 30/04/15	Thu 07/05/15	268	272,280,269
485	Middleware event handling (UI and printing)	44273	10 days	Fri 15/05/15	Fri 29/05/15	271,269	273,275
484	Integration with TVM Events and Alerts service	44273	10 days	Mon 13/07/15	Fri 24/07/15	272,281,276,2	300
206	<b>Transaction Payment Handling</b>	44273	30 days	Mon 01/06/15	<b>Fri 10/07/15</b>	78	
498	Transaction request and event handling	44273	10 days	Mon 01/06/15	Fri 12/06/15	272	277,276
589	Investigation into availability CBA environment	44273	10 days	Mon 15/06/15	Fri 26/06/15	275	277,273
487	Contact and contactless payments handling	44273	5 days	Mon 29/06/15	Fri 03/07/15	275,276	300,278
488	Transaction response, logs and audits	44273	5 days	Mon 06/07/15	Fri 10/07/15	277	273
207	<b>Base/Gen Events and alerts integration</b>	44273	42 days	<b>Fri 08/05/15</b>	<b>Tue 07/07/15</b>		
499	Events and alerts Web Service implementation	44273	10 days	Fri 08/05/15	Fri 29/05/15	271	281,295
490	Integration with Base/Gen RMI component	44273	10 days	Mon 01/06/15	Tue 07/07/15	280	299,273,300,297
208	<b>Integration with TVM software</b>	44274	75 days	<b>Thu 30/04/15</b>	<b>Fri 14/08/15</b>		
209	<b>Integration with Payment Subsystem</b>	44274	30 days	<b>Thu 30/04/15</b>	<b>Fri 12/06/15</b>		
493	Integration with the Transaction Service	44274	15 days	Thu 30/04/15	Thu 21/05/15	95,192,268	285
492	Transaction Record Generation	44274	10 days	Fri 22/05/15	Fri 05/06/15	284	286
491	UI Integration	44274	5 days	Mon 08/06/15	Fri 12/06/15	285	288
210	<b>CBA Messages Handling</b>	44274	20 days	<b>Mon 15/06/15</b>	<b>Fri 10/07/15</b>		
495	Middleware Web Service Integration	44274	10 days	Mon 15/06/15	Fri 26/06/15	286	289
494	Audit File Generation	44274	10 days	Mon 29/06/15	Fri 10/07/15	288	290
211	Receipt Data Handling	44274	5 days	Mon 13/07/15	Fri 17/07/15	289	292
212	<b>Transaction Reversal</b>	44274	20 days	<b>Mon 20/07/15</b>	<b>Fri 14/08/15</b>		
497	Middleware Web Service Integration	44274	10 days	Mon 20/07/15	Fri 31/07/15	290	293
496	Transaction Reversal Record Generation	44274	10 days	Mon 03/08/15	Fri 14/08/15	292	299FS-2 days
213	<b>Middleware Test Harness</b>	44275	27 days	<b>Mon 15/06/15</b>	<b>Tue 21/07/15</b>		
502	Design of the Middleware TH	44275	5 days	Mon 15/06/15	Fri 19/06/15	280	296
501	Adding component testing to the TH	44275	10 days	Mon 22/06/15	Fri 03/07/15	295	297
500	Implementation of TH tests	44275	10 days	Wed 08/07/15	Tue 21/07/15	296,281	299,300
504	Unit Testing and Rework	44275	29 days	Mon 27/07/15	<b>Fri 04/09/15</b>	73	299FS-10 days,323
215	Unit Testing	44275	14 days	Mon 17/08/15	<b>Fri 04/09/15</b>		days,281,297, 323
503	Rework	44275	25 days	Mon 27/07/15	<b>Fri 28/08/15</b>		300FS-10 days
216	<b>Transfolio</b>	44171	78 days	112 days	<b>Mon 18/05/15</b>	<b>Fri 04/09/15</b>	277,297,281,2
217	<b>Fares &amp; Products Import and Distribution</b>	44228	70 days	38 days	<b>Mon 18/05/15</b>	<b>Mon 24/08/15</b>	299FS-10 days,323



454	Import of BDP Output Table and Database Population	44228	10 days	Mon 01/06/15	Mon 18/05/15	59.93	304,308	
453	Conversion of the Operational Data	44228	10 days	Thu 16/07/15	Wed 29/07/15	305	305	
452	UI Changes for Input Process	44228	10 days	Thu 30/07/15	Wed 12/08/15	304	306	
451	Distribution to SSM devices	44228	8 days	Thu 13/08/15	Mon 24/08/15	305	315,60	
218	Transfolio Adaptation	n/a	68 days	Tue 02/06/15	Fri 04/09/15			
219	Modules Customisation	44229	20 days	Tue 02/06/15	Wed 15/07/15	192,316,303	304	
645	TfnSW Visit Preparation	44179	2 days	Fri 26/06/15	Mon 29/06/15	310	310	
646	Transfolio for ITF release/Phase 1 Submission 3	44229	4 days	Tue 30/06/15	Fri 03/07/15	309	311	
590	Availability of New Java resource and familiarisation	44229	5 days	Mon 06/07/15	Fri 10/07/15	310	312	
220	Alerts and events setup	44230	10 days	Mon 13/07/15	Fri 24/07/15	311	313	
221	Ingenico Reader Configuration	44253	10 days	Mon 27/07/15	Fri 07/08/15	312	314	
222	VPOS Setup and Configuration	44254	10 days	Mon 10/08/15	Fri 21/08/15	313	315	
223	Unit Testing and Rework	44255	8 days	Tue 25/08/15	Fri 04/09/15	314,306	323	
224	Development System configuration and setup	44170	10 days	Fri 13/02/15	Thu 26/02/15	176	317,308,328,59	
455	Test system configuration and setup	44170	30 days	Mon 05/06/15	Thu 16/07/15	316,945+15	320,331,62	
225	Iterative Unit Integration, Testing and Rework	44169	64 days	Mon 20/07/15	Fri 16/10/15	320,331	325,347	
592	Rework	44168	44 days	Mon 10/08/15	Fri 09/10/15	104,317,96,32		
468	Integration Drop 1	44169	5 days	Mon 20/07/15	Fri 24/07/15	9F5-5	321,331,319	
467	Integration Drop 2	44169	5 days	10 days	Mon 03/08/15	Fri 07/08/15	320,331F5-5	322,332
466	Integration Drop 3	44169	5 days	10 days	Mon 17/08/15	Fri 21/08/15	321,332F5-5	323,333
465	Integration Drop 4 (Transfolio)	44169	5 days	10 days	Mon 07/09/15	Fri 11/09/15	-5	334,324
464	Integration Drop 5 - FAT/SIT Release	44169	5 days	10 days	Mon 21/09/15	Fri 25/09/15	322,315,333F5	
463	Integration Drop 6 - SIT Support	44169	5 days	10 days	Mon 12/10/15	Fri 16/10/15	324,319,338,1	94
226	Testing and acceptance	n/a	238 days	1,213.5 days	Fri 27/02/15	Fri 12/02/16		
227	Prepare Test Documentation (Strategy, Plans, Planning, Test Case Generation and Review)	44157	130 days	130 days	Mon 23/03/15	Fri 25/09/15	176F5+26	109,340
228	System Test Preparation (Test Case Generation)	44159	87 days	119.6 days	Fri 27/02/15	Fri 03/07/15	316	331,329

591	Alpha Drop of software to shakedown environments	44159	15 days	39 days	Mon 06/07/15	Fri 24/07/15	328	331,320FS-5 days
229	<b>Iterative System Testing UK</b>	<b>44159</b>	<b>64 days</b>	<b>122 days</b>	<b>Mon 27/07/15</b>	<b>Fri 23/10/15</b>		
509	System Testing UK Drop 1	44159	10 days	25 days	Mon 27/07/15	Fri 07/08/15	29	328,317,320,3 332,321FS-5 days,19,319
508	System Testing UK Drop 2 (Partial coverage due to slow connection to VPos)	44159	10 days	25 days	Mon 10/08/15	Fri 21/08/15	331,321	333,322FS-5 days,20
507	System Testing UK Drop 3	44159	14 days	37 days	Mon 24/08/15	Fri 11/09/15	332,322	334,323FS-5 days,21,340
506	System Testing UK Drop 4 (Transfolio)	44159	10 days	25 days	Mon 14/09/15	Fri 25/09/15	333,323	338,22,335,324FS-5 days
510	System Testing UK Drop 5	44159	0 days	0 days	Fri 25/09/15	Fri 25/09/15	334	336
505	System Testing UK Drop 6	44159	5 days	10 days	Mon 19/10/15	Fri 23/10/15	325,338,335	24
765	Parkon STS (FAT)		60 days	60.5 days	Mon 28/09/15	Fri 18/12/15		
232	Systems Testing UK Drop 5 (FAT) UK	44156	10 days	30 days	Mon 28/09/15	Fri 09/10/15	109,334,324	339,345,341FF-2 days,25,336,325,2
233	Project Milestone UK STS (FAT)		0 days	0 days	Fri 09/10/15	Fri 09/10/15	338	342
836	As-Built Documentation updates	44140	20 days	30.5 days	Mon 23/11/15	Fri 18/12/15	327,333	
561	Cubic shakedown of STS (FAT) release in CTS environment		2 days	0 days	Tue 06/10/15	Wed 07/10/15	338FF-2 days	342
837	STS (FAT) Completed		0 days	0 days	Fri 09/10/15	Fri 09/10/15	339,341	344,349,347,346
819	TfNSW SIT - AU		58 days	340.7 days	Mon 05/10/15	Wed 23/12/15		
820	SIT - AU		30 days	0 days	Mon 12/10/15	Fri 20/11/15	342	350
235	UK Support of in-country testing	44154	34 days	66 days	Mon 12/10/15	Mon 26/11/15	338	351,359
854	TDA Support	44178	46 days	38.5 days	Mon 12/10/15	Mon 21/12/15	58,342	353,356
839	SIT Rework	44168	32 days	143.8 days	Mon 12/10/15	Tue 24/11/15	342,319	353,357
767	AU Integration Engineer	44155	55 days	15 days	Mon 05/10/15	Fri 18/12/15	57	353
838	AU Testing	44154	35 days	63 days	Mon 12/10/15	Fri 27/11/15	342	351
822	Stand Up in Production		4 days	0 days	Mon 23/11/15	Thu 26/11/15	344	351,359
823	Field Test	44154	9 days	7.2 days	Mon 30/11/15	Thu 10/12/15	350,345,349	352
818	Field Trial	44154	9 days	7.2 days	Fri 11/12/15	Wed 23/12/15	351	353
855	Field trial Completed		0 days	0 days	Wed 23/12/15	Wed 23/12/15	352,346,347,3	477
824	<b>Maintenance Releases</b>		<b>50 days</b>	<b>401.7 days</b>	<b>Wed 25/11/15</b>	<b>Fri 12/02/16</b>		
864	Project Management	44164	29 days	29 days	Mon 04/01/16	Fri 12/02/16	359FS+9 days	370
874	Technical Design Authority	44178	29 days	29 days	Tue 22/12/15	Wed 10/02/16	346	370
877	Developer Resource for MR's	44168	49 days	218.7 days	Wed 25/11/15	Thu 11/02/16	347	
871	MR 1		17 days	45 days	Fri 27/11/15	Mon 21/12/15		

772	Maintenance release MR1	44154	10 days	29 days	Thu 10/12/15	350,345	355FS+9 days,360
867	Release to AU	44154	2 days	1 day	Fri 11/12/15	359	361
868	Support for Release	44154	5 days	15 days	Mon 21/12/15	360	363
872	<b>MR2</b>	<b>44154</b>	<b>15 days</b>	<b>40 days</b>	<b>Tue 22/12/15</b>	<b>Wed 20/01/16</b>	
771	Maintenance release MR2	44154	10 days	30 days	Tue 22/12/15	361	364
865	Release to AU	44154	2 days	1 day	Thu 14/01/16	363	365
866	Support for Release	44154	3 days	9 days	Mon 18/01/16	364	367
873	<b>MR3</b>	<b>44154</b>	<b>15 days</b>	<b>40 days</b>	<b>Thu 21/01/16</b>	<b>Thu 11/02/16</b>	
827	Maintenance release MR3	44154	10 days	30 days	Thu 21/01/16	365	477,368
869	Release to AU	44154	2 days	1 day	Fri 05/02/16	367	369
870	Support for Release	44154	3 days	9 days	Tue 09/02/16	368	370
875	Maintenance Release Completed/ Transition into Support		0 days	0 days	Fri 12/02/16	355,356,359	477
265	Hardware Production/Build Phase - Stage 2Ba	n/a	324 days	409,88 days	Fri 03/10/14	Thu 28/01/16	
266	Hardware Direction to Proceed received	n/a	0 days	0 days	Fri 28/11/14	Fri 28/11/14	48,81
267	Procurement Launch	n/a	1 day	1 day	Mon 01/12/14	372	414
268	Opal Card Holder Hardware Integration into SSMs	n/a	35 days	1 day	Fri 09/01/15	Thu 26/02/15	372,380FS+15
269	DEPENDANCY on CTs to provide reference Ingenico Hardware and CAD files	n/a	0 days	0 days	Fri 13/02/15	Fri 13/02/15	376,396
270	Ingenico Self Hardware Integration into SSM	n/a	10 days	10 days	Fri 13/02/15	Thu 26/02/15	396,400,416,425,4
412	HID reader Hardware Integration into SSMs	n/a	10 days	0 days	Mon 23/02/15	Fri 06/03/15	386
414	Hardware Specific Development	n/a	169 days	135,88 days	Fri 03/10/14	Fri 12/06/15	
403	OPAL Card Holder Development	44142	131 days	27,5 days	Fri 03/10/14	Fri 17/04/15	
405	Design	44142	75 days	22,5 days	Fri 03/10/14	Thu 29/01/15	381,374FS+15 days
415	3D Printing	44142	5 days	0 days	Fri 30/01/15	Thu 05/02/15	380
406	Prototype builds	44142	36 days	0 days	Fri 06/02/15	Fri 27/03/15	381
407	Testing	44142	5 days	5 days	Mon 13/04/15	Fri 17/04/15	382
402	<b>HID Reader Development</b>	<b>44142</b>	<b>114,01 days</b>	<b>40,38 days</b>	<b>Mon 27/10/14</b>	<b>Fri 17/04/15</b>	
411	Design	44142	80 days	32 days	Mon 27/10/14	Fri 27/02/15	388,387
419	Initial Prototype builds	44142	10 days	0 days	Mon 09/02/15	Fri 20/02/15	387,388,377
410	Prototype builds for SSM Prototypes	44142	12 days	0 days	Mon 02/03/15	Mon 23/03/15	386,385
409	Radio Testing	44142	8,38 days	8,38 days	Mon 02/03/15	Fri 17/04/15	385,386
404	<b>Sticker Development</b>	<b>44142</b>	<b>102 days</b>	<b>27 days</b>	<b>Fri 10/10/14</b>	<b>Thu 12/03/15</b>	
413	Design and Artwork Mock-ups	44142	90 days	27 days	Fri 10/10/14	Thu 26/02/15	
271	Production of the Sample Sticker for Astreo and Galexio	44142	20 days	0 days	Fri 13/02/15	Thu 12/03/15	
461	EMS Manufacturing Test Changes	44142	20 days	20 days	Mon 30/03/15	Tue 28/04/15	395

477	EMS Testing Plug-in for HID	44142	10 days	10 days	Mon 30/03/15	Tue 14/04/15	394
479	EMS Testing Plug-in for CBA	44142	10 days	10 days	Wed 15/04/15	Tue 28/04/15	393
272	Sign-off on "1st as built" all design and external branding elements of SSM (Besançon)	n/a	1 day	1 day	Tue 14/04/15	Tue 14/04/15	224
273	BOM finalised	n/a	0 days	0 days	Thu 26/02/15	Thu 26/02/15	88,391,406,41
418	Thermal Receipt Paper Verification and Approval.	44142	20 days	20 days	Wed 06/05/15	Fri 12/06/15	431
417	Ultralight C Type A Cards Verification and Approval	44142	20 days	20 days	Fri 22/05/15	Wed 14/10/15	0.387
274	Provision of CBA Ingenico Self Series Hardware (281)	n/a	40 days	0 days	Mon 15/06/15	Mon 10/08/15	5
275	Receipt of first batch 20 Units in Parkeon France	n/a	0 days	0 days	Mon 15/06/15	Mon 15/06/15	416,425
276	Receipt of second batch 150 Units in Parkeon France	n/a	0 days	0 days	Fri 26/06/15	Fri 26/06/15	401
277	Receipt of third batch 111 Units in Parkeon France	n/a	0 days	0 days	Mon 10/08/15	Mon 10/08/15	402
280 units)	4 x Sydney Astreo Prototypes Build (1 Fr - 2 UK development - 1 PKN AU	n/a	74 days	72 days	Mon 01/12/14	Tue 24/03/15	106
281.	Astro Design and Drawings	n/a	12 days	12 days	Mon 01/12/14	Tue 16/12/14	405
282.	Prototype Astreo Cabinet Build	n/a	29 days	29 days	Wed 17/12/14	Mon 09/02/15	401
283	Assembly and Testing of Astro Prototypes	n/a	31 days	31 days	Tue 10/02/15	Tue 24/03/15	406,416
284 units)	4 x Sydney Galexio Prototypes Build (1 Fr - 2 UK development - 1 PKN AU	n/a	65 days	63 days	Mon 01/12/14	Wed 11/03/15	395,413
285	Galexio Design and Drawings	n/a	12 days	12 days	Mon 01/12/14	Tue 16/12/14	409
286	Prototype Galexio Cabinet Build	n/a	26 days	26 days	Wed 17/12/14	Wed 04/02/15	410,425
287	Assembly and Testing of Galexio Prototypes	n/a	25 days	25 days	Thu 05/02/15	Wed 11/03/15	408
826	EMC Testing	n/a	91 days	107 days	Tue 02/12/14	Tue 21/04/15	395,412
288	EMC testing - Galexio	n/a	9 days	9 days	Thu 12/03/15	Tue 24/03/15	83FS+20
416	EMC testing - Astreo	n/a	9 days	9 days	Wed 25/03/15	Wed 08/04/15	days,431,413
289	Components ready for Integration Astreo and Galexio	n/a	89 days	89 days	Tue 02/12/14	Tue 21/04/15	373
290	Manufacturing of cabinets	n/a	156 days	0 days	Fri 27/02/15	Fri 09/10/15	83FS+20 days,431,430
291.	Manufacturing of 210 Astreo cabinets	n/a	149 days	0 days	Fri 27/02/15	Wed 30/09/15	110FS+20
292	Batch 1: Delivery of 10 cabinets	n/a	0 days	0 days	Mon 11/05/15	Mon 11/05/15	416FS+49
293	Batch 2 : Delivery of 30 cabinets	n/a	0 days	0 days	Thu 28/05/15	Thu 28/05/15	418FS+12
294	Batch 3 : Delivery of 30 cabinets	n/a	0 days	0 days	Fri 19/06/15	Fri 19/06/15	419FS+16
295	Batch 4 : Delivery of 30 cabinets	n/a	0 days	0 days	Fri 10/07/15	Fri 10/07/15	420FS+15
							days,433
							418FS+16
							days,434
							421FS+17



## Transport for NSW

296	Batch 5 : Delivery of 30 cabinets	n/a	0 days	0 days	Tue 04/08/15	Tue 04/08/15	days,435
297	Batch 6 : Delivery of 30 cabinets	n/a	0 days	0 days	Tue 25/08/15	Tue 25/08/15	422FS+15
298	Batch 7 : Delivery of 30 cabinets	n/a	0 days	0 days	Wed 16/09/15	Wed 16/09/15	days,436
299	Batch 8 : Delivery of 20 cabinets	n/a	0 days	0 days	Fri 09/10/15	Fri 09/10/15	421FS+15
300	Manufacturing of 71 Galexio cabinets	n/a	92 days	0 days	Fri 13/03/15	Fri 24/07/15	423FS+17
301	Batch 1: Delivery of 10 cabinets	n/a	0 days	0 days	Wed 13/05/15	Wed 13/05/15	424FS+17
302	Batch 2 : Delivery of 25 cabinets	n/a	0 days	0 days	Thu 02/07/15	Thu 02/07/15	days,438
303	Batch 3 : Delivery of 25 cabinets	n/a	0 days	0 days	Thu 09/06/15	Thu 09/06/15	426SS+41 days
304	Batch 4 : Delivery of 11 cabinets	n/a	0 days	0 days	Thu 02/07/15	Thu 02/07/15	427SS+18 days
305	Manufacture of ASTREO QTY 210 + 1	n/a	153 days	0 days	Mon 11/05/15	Mon 14/12/15	434 days
306	Manufacture Start ASTREO (None currently NO Spares have been ordered)	n/a	0 days	0 days	Mon 11/05/15	Mon 11/05/15	335,412,414,4
307	Batch 1 (10 Units) Assembly of Components and Manufacture Testing	n/a	14 days	0 days	Tue 12/05/15	Mon 01/06/15	70,432 days
308	Batch 2 (30 Units) Assembly of Components and Manufacture Testing	n/a	20 days	0 days	Tue 02/06/15	Mon 29/06/15	110,417,431
309	Batch 3 (30 Units) Assembly of Components and Manufacture Testing	n/a	26 days	0 days	Tue 30/06/15	Tue 04/08/15	440,433
310	Batch 4 (30 Units) Assembly of Components and Manufacture Testing	n/a	20 days	0 days	Wed 05/08/15	Wed 02/09/15	434,441
311	Batch 5 (30 Units) Assembly of Components and Manufacture Testing	n/a	18 days	0 days	Thu 03/09/15	Mon 28/09/15	435,442
312	Batch 6 (30 Units) Assembly of Components and Manufacture Testing	n/a	18 days	0 days	Thu 29/09/15	Mon 14/12/15	436,443
313	Batch 7 (30 Units) Assembly of Components and Manufacture Testing	n/a	18 days	0 days	Fri 23/10/15	Tue 17/11/15	437,444
314	Batch 8 (20 + 1 Units) Assembly of Components and Manufacture Testing	n/a	19 days	0 days	Wed 18/11/15	Mon 14/12/15	438,445
315	Batch 1 (10 Units) available for shipment	n/a	0 days	0 days	Mon 01/06/15	Mon 01/06/15	439,446
316	Batch 2 (30 Units) available for shipment	n/a	0 days	0 days	Mon 29/06/15	Mon 29/06/15	440,447
317	Batch 3 (30 Units) available for shipment	n/a	0 days	0 days	Tue 04/08/15	Tue 04/08/15	441,448
318	Batch 4 (30 Units) available for shipment	n/a	0 days	0 days	Wed 02/09/15	Wed 02/09/15	442,449
319	Batch 5 (30 Units) available for shipment	n/a	0 days	0 days	Mon 28/09/15	Mon 28/09/15	443,450
320	Batch 6 (30 Units) available for shipment	n/a	0 days	0 days	Thu 22/10/15	Thu 22/10/15	444,451

321	Batch 7 (30 Units) available for shipment	n/a	0 days	0 days	Tue 17/11/15	438	456
322	Batch 8 (20 + 1 Units) available for shipment	n/a	0 days	0 days	Mon 14/12/15	439	457
323	<b>Shipment on DDP basis</b>	44139	138 days	0 days	Wed 08/07/15	Thu 28/01/16	
582	(2 Unit) Shipment by Air (15 days) on DDP basis	44139	7 days	0 days	Wed 08/07/15	Tue 14/07/15	440FS+4 days 27
324	(8 Units) 1st Shipment by sea (45 days) on DDP basis	44139	45 days	0 days	Thu 20/08/15	Sat 03/10/15	440,464FS+19 28
325	(48 Units) 1st Shipment by sea (45 days) on DDP basis	44139	45 days	0 days	Thu 20/08/15	Sat 03/10/15	441,464FS+19 29,452S5+5 days
							442FS+7 days,451SS-5 days,443FS+1 30 days,445FS+1 4 days,466
326	(32 Units tbc) 2nd Shipment by sea (45 days) on DDP basis	44139	45 days	0 days	Thu 17/09/15	Sat 31/10/15	
327	(0 Units tbc) 2nd Shipment by sea (45 days) on DDP basis	44139	0 days	0 days	Wed 02/09/15	Wed 02/09/15	443 days
328	(30 Units) Shipment by sea (45 days) on DDP basis	44139	45 days	0 days	Tue 29/09/15	Thu 12/11/15	444 32
329	(30 Units) Shipment by sea (45 days) on DDP basis	44139	45 days	0 days	Fri 23/10/15	Sun 06/12/15	445 33
330	(30 Units) Shipment by sea (45 days) on DDP basis	44139	45 days	0 days	Wed 18/11/15	Fri 01/01/16	446 34
331	(30 + 1 Units) Shipment by sea (45 days) on DDP basis	44139	45 days	0 days	Tue 15/12/15	Thu 28/01/16	447 35
332	<b>Manufacture of GALEXIO QTY 72+1</b>	n/a	80 days	0 days	Mon 01/06/15	Tue 22/09/15	
333	Manufacture Start GALEXIO (Note currently NO Spares have been ordered)	n/a	0 days	0 days	Mon 01/06/15	Mon 01/06/15	426,440 460
334	Batch 1 (10 Units) Assembly of Components and Manufacture Testing	n/a	44 days	0 days	Tue 02/06/15	Fri 31/07/15	110,459 464,461FS-9 days
335	Batch 2 (25 Units) Assembly of Components and Manufacture Testing	n/a	20 days	0 days	Tue 21/07/15	Mon 17/08/15	460FS-9 days 465,462
336	Batch 3 (25 Units) Assembly of Components and Manufacture Testing	n/a	15 days	0 days	Tue 18/08/15	Tue 08/09/15	466,463
337	Batch 4 (11 + 1 Units) Assembly of Components and Manufacture Testing	n/a	10 days	0 days	Wed 09/09/15	Tue 22/09/15	467 467
							470FS+19 days,469,450FS+1 9 days,451FS+19 days
338	Batch 1 (10 Units) available for shipment	n/a	0 days	0 days	Fri 31/07/15	Fri 31/07/15	460
339	Batch 2 (25 Units) available for shipment	n/a	0 days	0 days	Mon 17/08/15	Mon 17/08/15	461 471
340	Batch 3 (25 Units) available for shipment	n/a	0 days	0 days	Tue 08/09/15	Tue 08/09/15	471FS+8 days,452
341	Batch 4 (11 + 1 Units) available for shipment	n/a	0 days	0 days	Tue 22/09/15	Tue 22/09/15	472
342	<b>Shipment on DDP basis</b>	44139	69 days	0 days	Fri 07/08/15	Thu 12/11/15	
583	(2 Units) Shipment by Air (15 days) on DDP basis	44139	11 days	0 days	Fri 07/08/15	Mon 17/08/15	464 36
343	(23 Units) 1st Shipment by sea (45 days) on DDP basis	44139	45 days	0 days	Thu 20/08/15	Sat 03/10/15	464FS+19 37,471S5+5 days
							465,470SS+5 465,470SS+5 days,466FS+8 38 days

345	(14 + 1 Units tbc) 3rd Shipment by sea (45 days) on DDP basis	44139	45 days	0 days	Tue 29/09/15	Thu 12/11/15	467,444	39
346	Surveys, Installation & Commissioning - Stage 29b	n/a	10 days	25 days	Mon 02/03/15	Fri 13/03/15		
347	SSM 2nd and 3rd Line Maintenance In-country workshops	44137	5 days	10 days	Mon 02/03/15	Fri 06/03/15		475
348	Survey, Installation & Commissioning Workshops	44137	5 days	15 days	Mon 09/03/15	Fri 13/03/15	105,474	107
856	Project Closure		0 days	0 days	Fri 12/02/16	Fri 12/02/16		
863	Project Closed		0 days	0 days	Fri 12/02/16	Fri 12/02/16	367,353,370	