

# **National Parking Platform**

## **Service Provider Introduction**

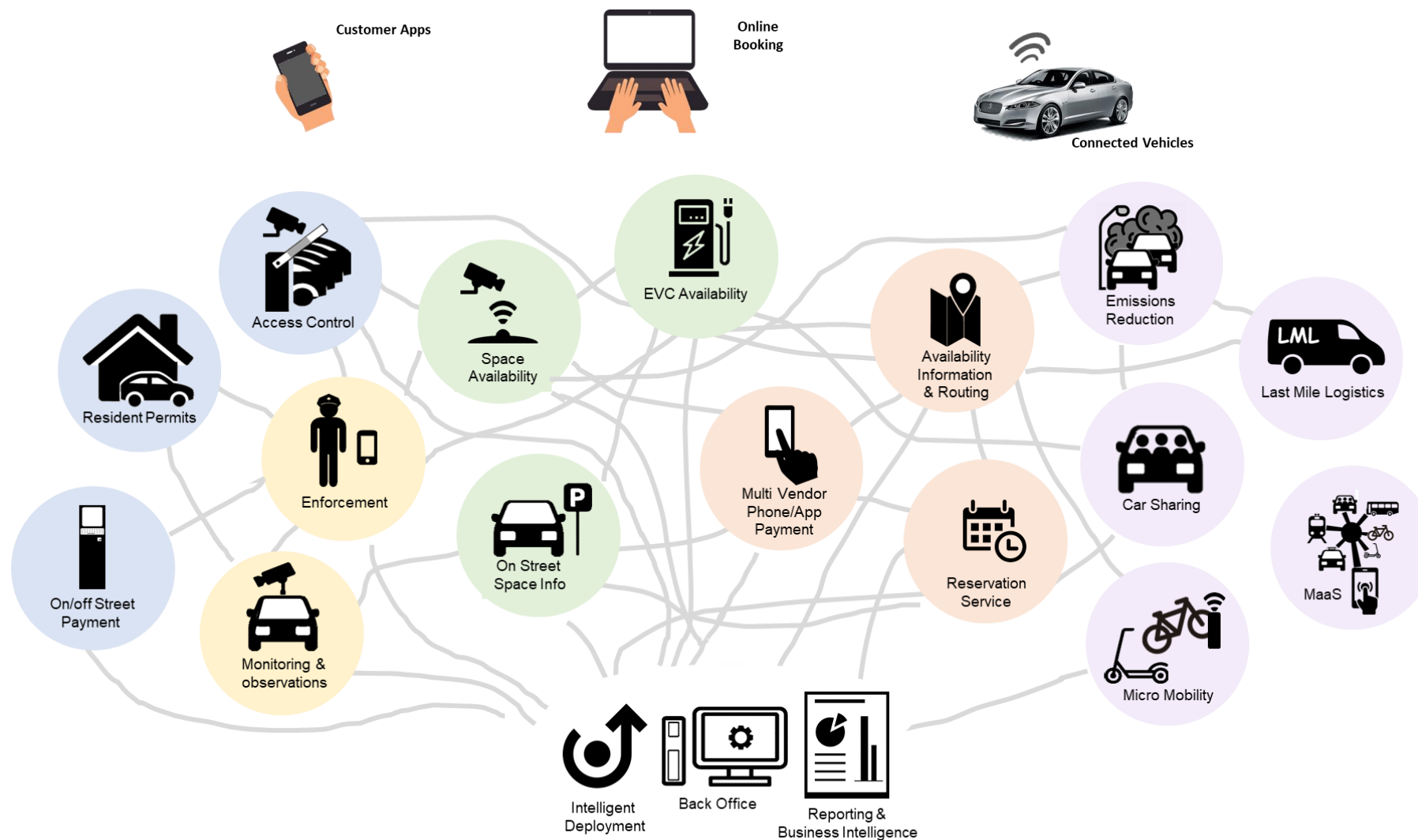


**June 2023**

## Background – Why an NPP?



# Smart Deployment

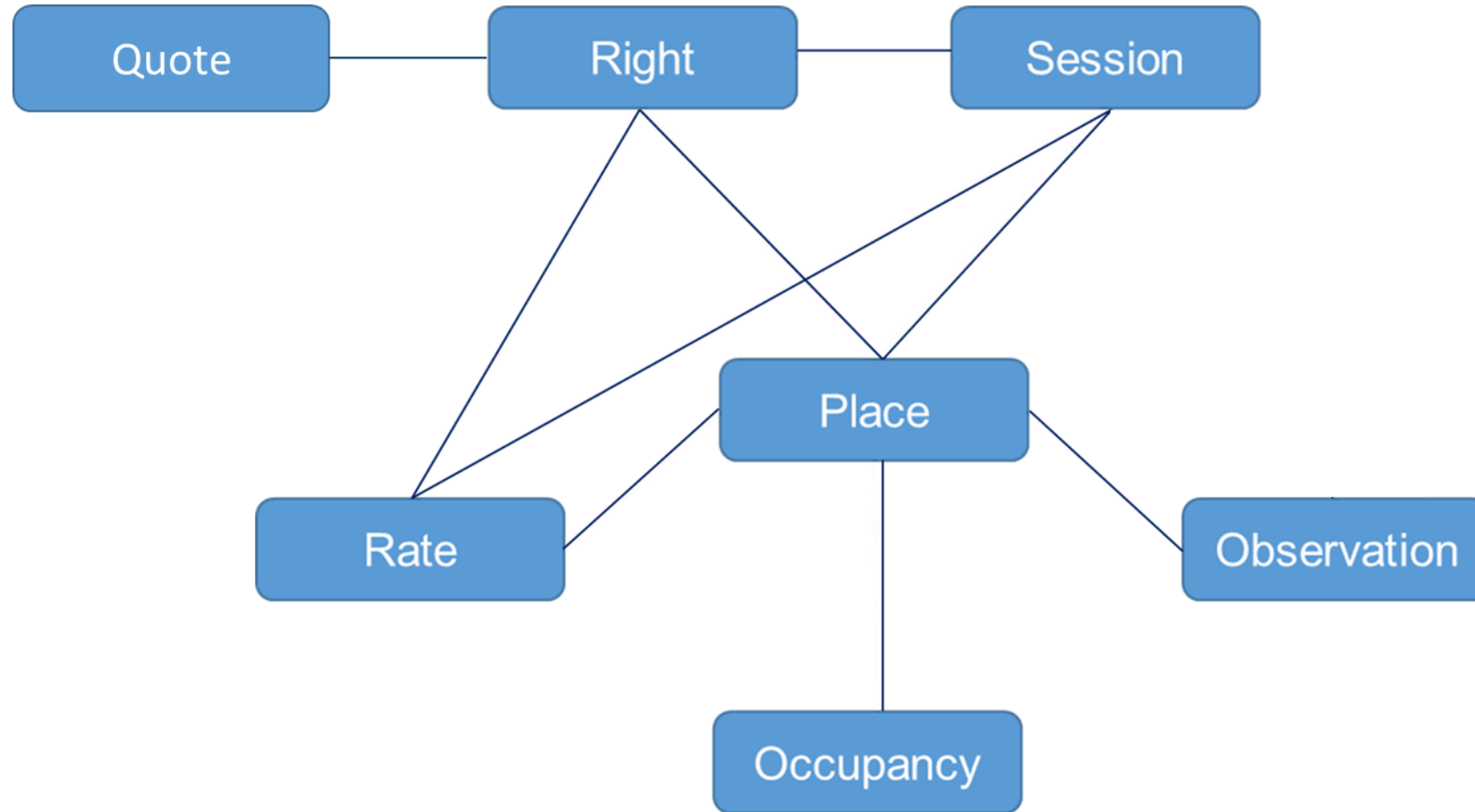


The Smart Parking challenge for parking operators (especially local authorities) is that they must integrate disparate systems in order to fulfil their policies and objectives.

The National Parking Platform uses the Alliance for Parking Data Standards (APDS) protocols to enable operators to integrate services and equipment to create a better environment for their localities and customers as well as developing sustainable transport options for the future.

The NPP is a Department for Transport funded initiative.

# What is APDS?



APDS is an international standard for communicating parking data.

The data model describes all aspects of parking, enabling any information about a parking place and those using it to be communicated between otherwise unrelated systems

It is the basis for ISO 5206-1 and for CEN 16157 Part 6

# What is the National Parking Platform?



- **A collaboration between central and local government (with private sector involvement)**
- **Publicly owned**
- **Not for profit**

# What is the National Parking Platform?



- **A way of communicating information on parking locations (including availability)**
- **A data exchange to enable multi-vendor payments**
- **A way of standardising technical and commercial relations**

# The National Parking Platform is NOT



- **Customer facing**
- **An app**
- **A way of settling payments (acquiring)**

**How does it change the Market?**  
**What are the benefits?**





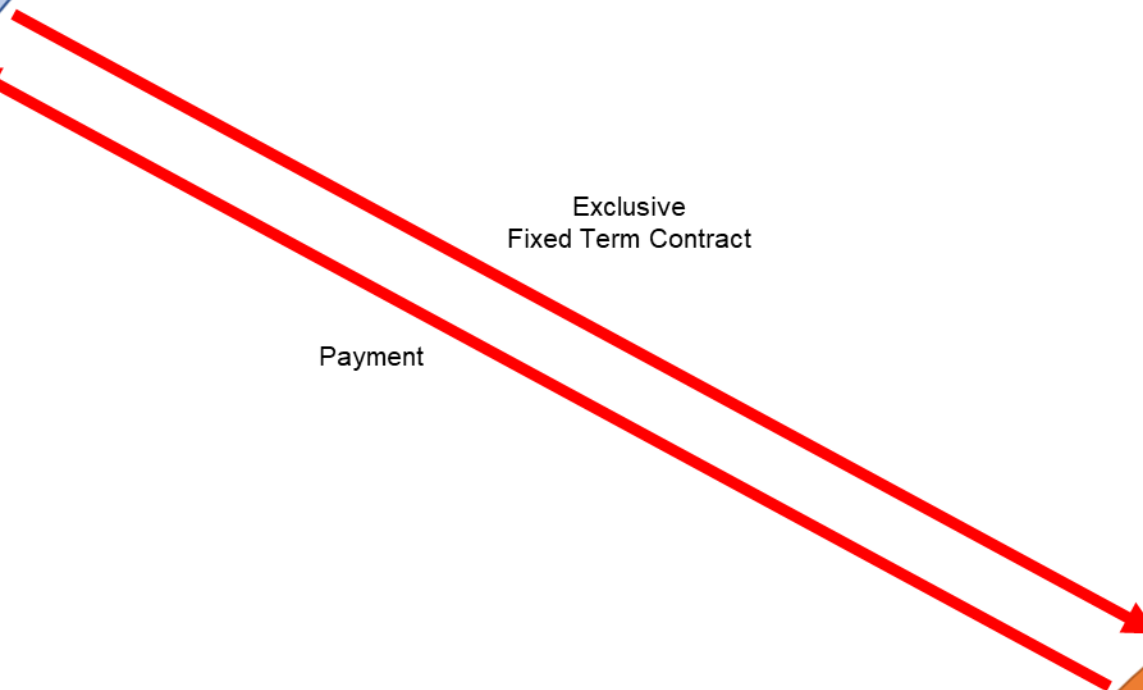
# Parking Operators



# Customers



"Customer" Relationship



Payment

Exclusive  
Fixed Term Contract

Customer  
"Relationship"

**Current situation:**

**Direct contract between Operator & Service Provider**

# Service Providers



# Parking Operators



Membership of NPP  
(no procurement)

## National Parking Platform NPP

Single Contract with NPP  
(due diligence)

# Customers



Customer Relationship  
(open market)



Availability Information & Routing



Reservation Service



Multi Vendor Phone/App Payment

# Service Providers

The NPP creates the Multi Vendor environment...

# The Benefits of an Open Market...

- Additional and predictable investment – securing long term access to the market
- Drive improved revenue stream(s)
- More coverage/enhanced footprint
- Increased usage\*
- Enhanced focus on the consumer - innovation and providing a quality service

**Suppliers benefit**

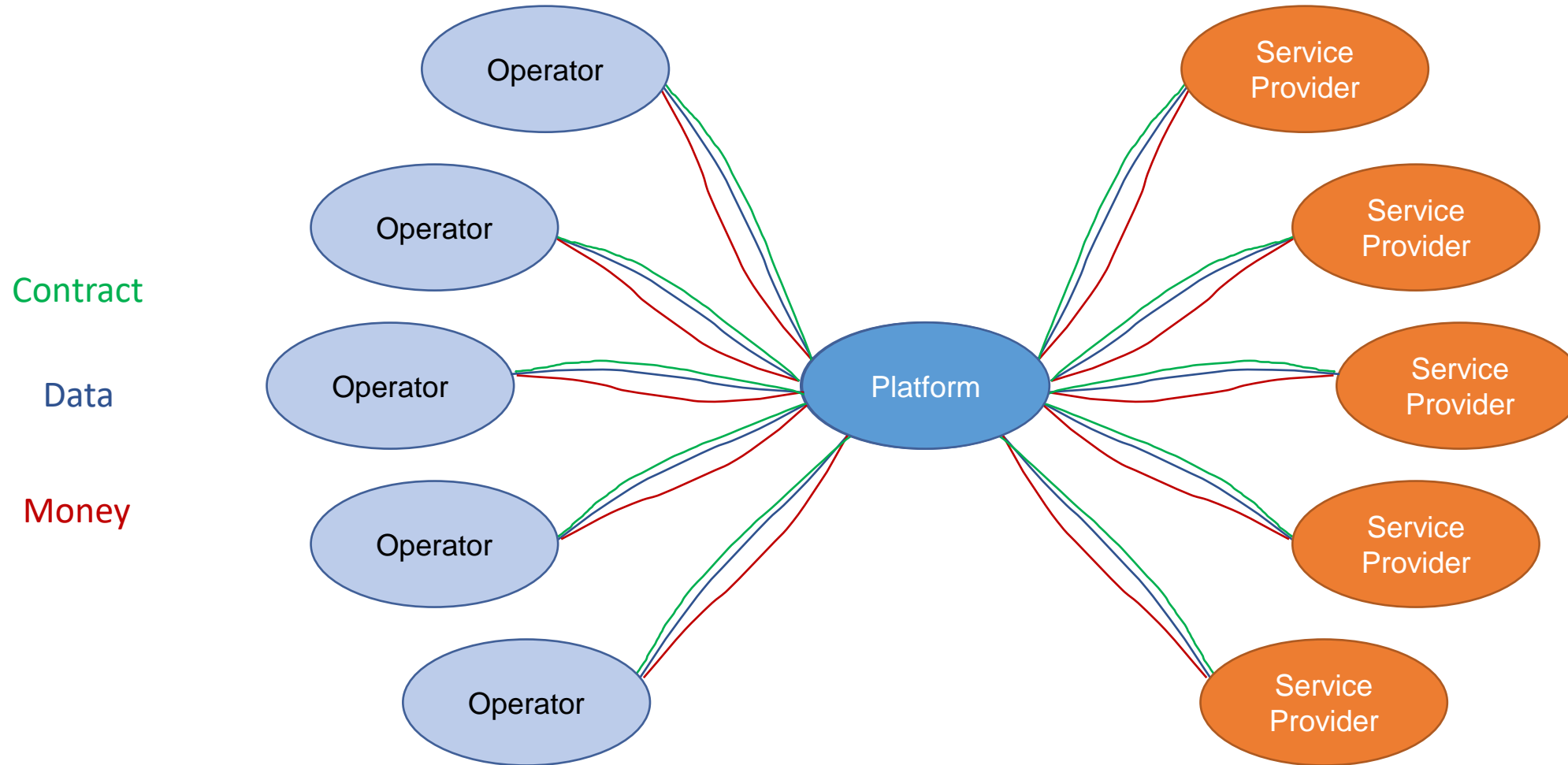
**Operators benefit**

**Motorists benefit**

- Happier Visitors / Residents
- Increased digital parking
- Cost savings (even cost removal)
- Reduced procurement
- More innovation
- Better and enhanced data provision
- Potential for integrated solutions

- More choice
- Ability to use their favourite app
- Greater ease of use
- More innovation driven through competition for the consumer
- Resilience

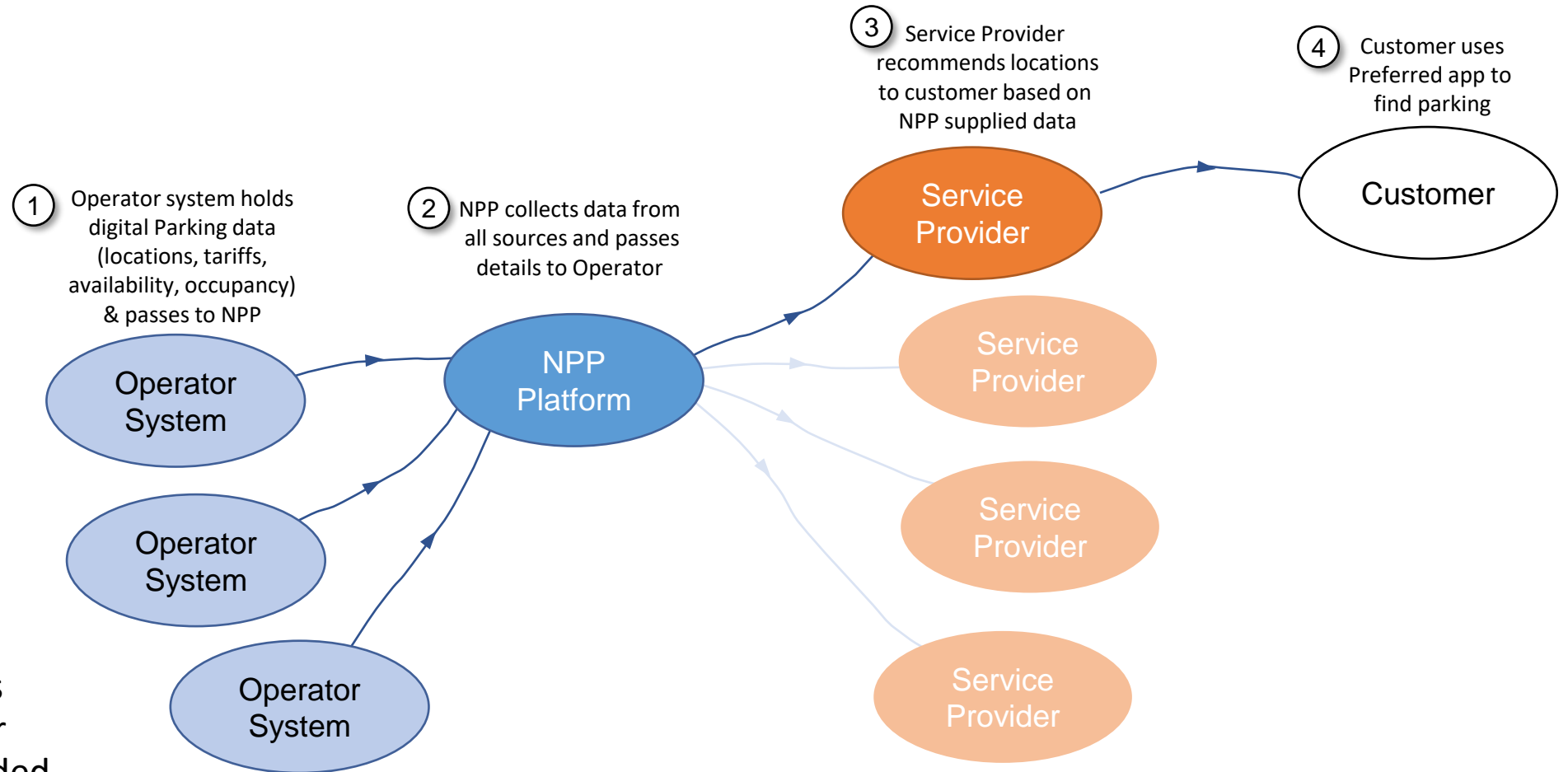
# A platform makes open market sustainable



**How does it work in Practice?**

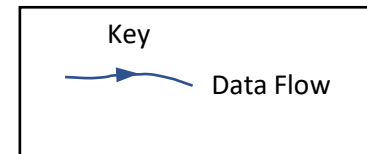


# The NPP supports digital publishing

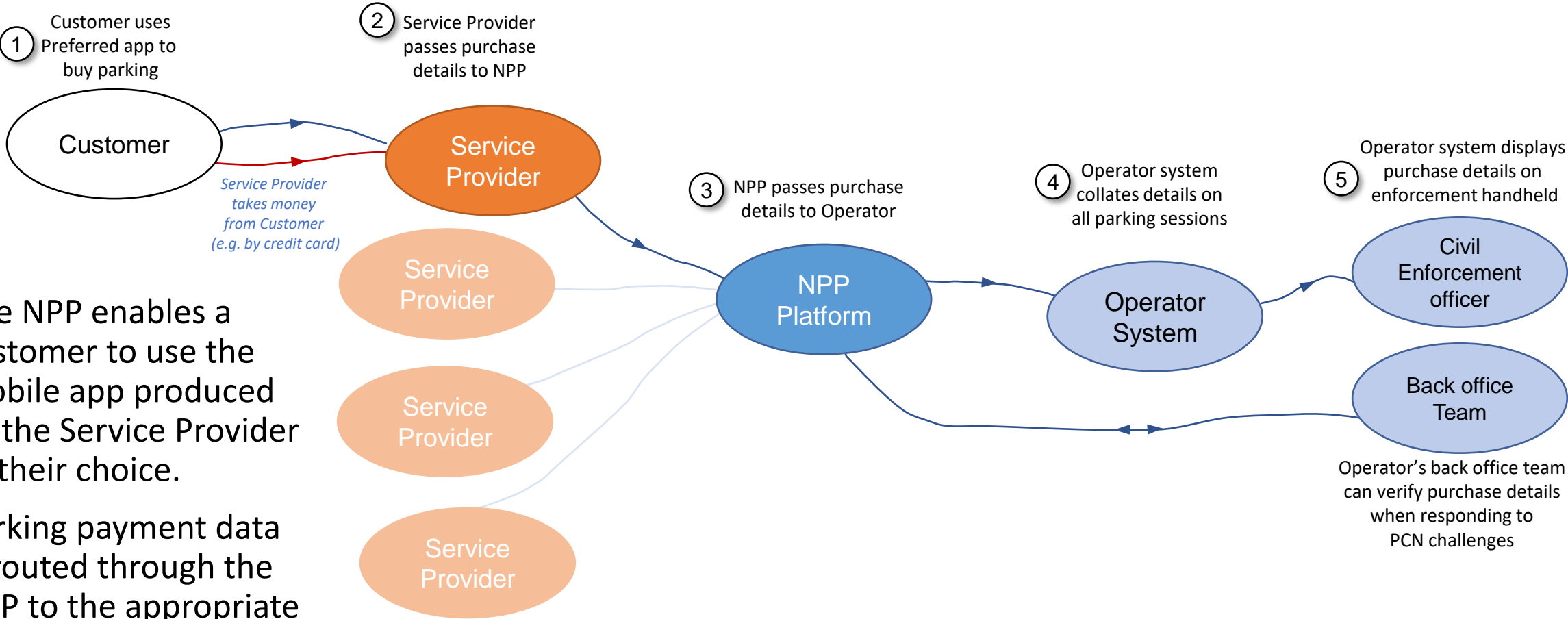


The NPP enables a customer to use the mobile app produced by the Service Provider of their choice.

Parking availability is sent to the customer based on data provided by operators.



# How the NPP enables multi-vendor payment



The NPP enables a customer to use the mobile app produced by the Service Provider of their choice.

Parking payment data is routed through the NPP to the appropriate operator.

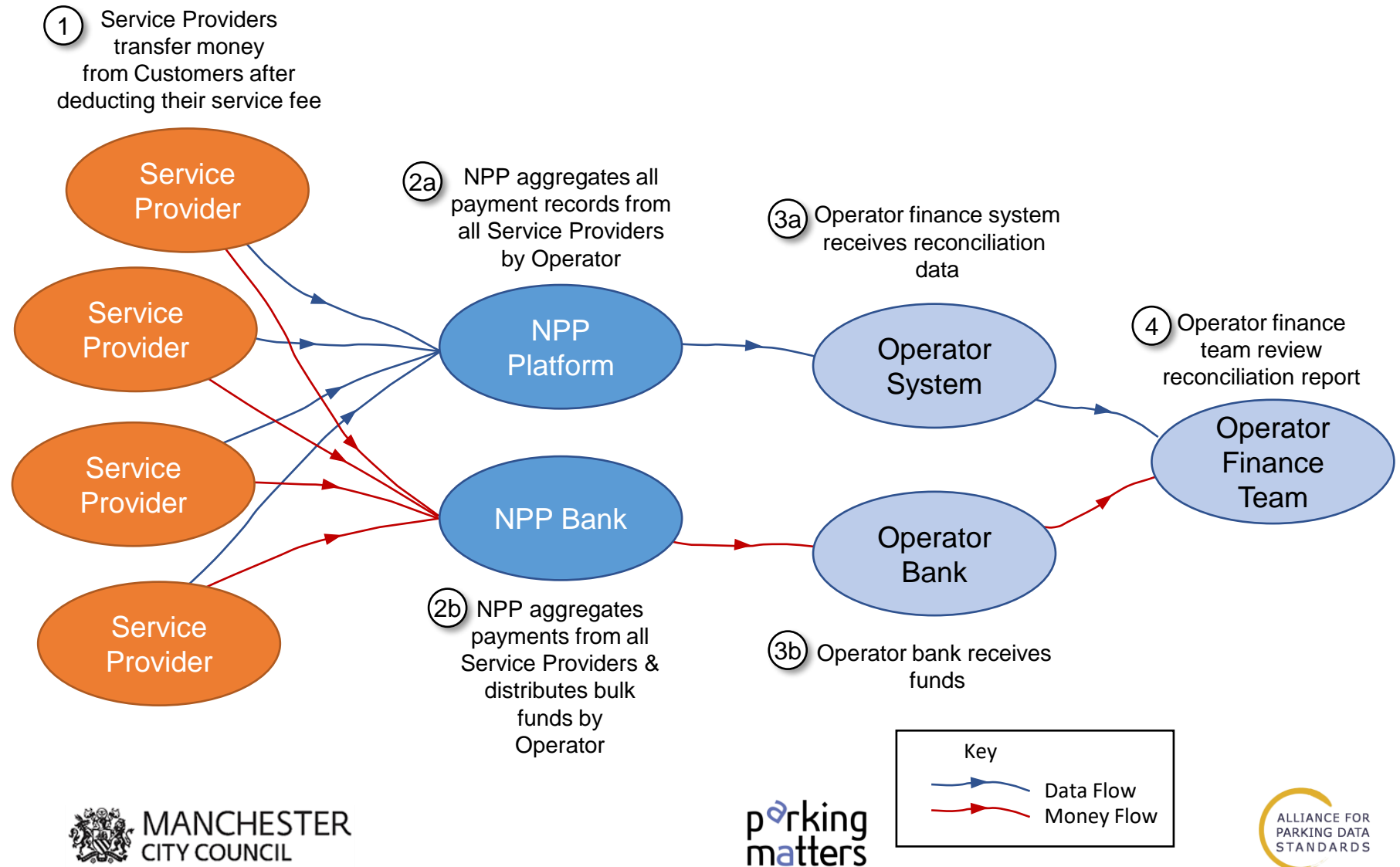


# NPP simplifies funds transfer and reconciliation



All payments made through the NPP are aggregated and sent on to the relevant operator.

The NPP supplies all the data required to reconcile parking payments against amounts received.





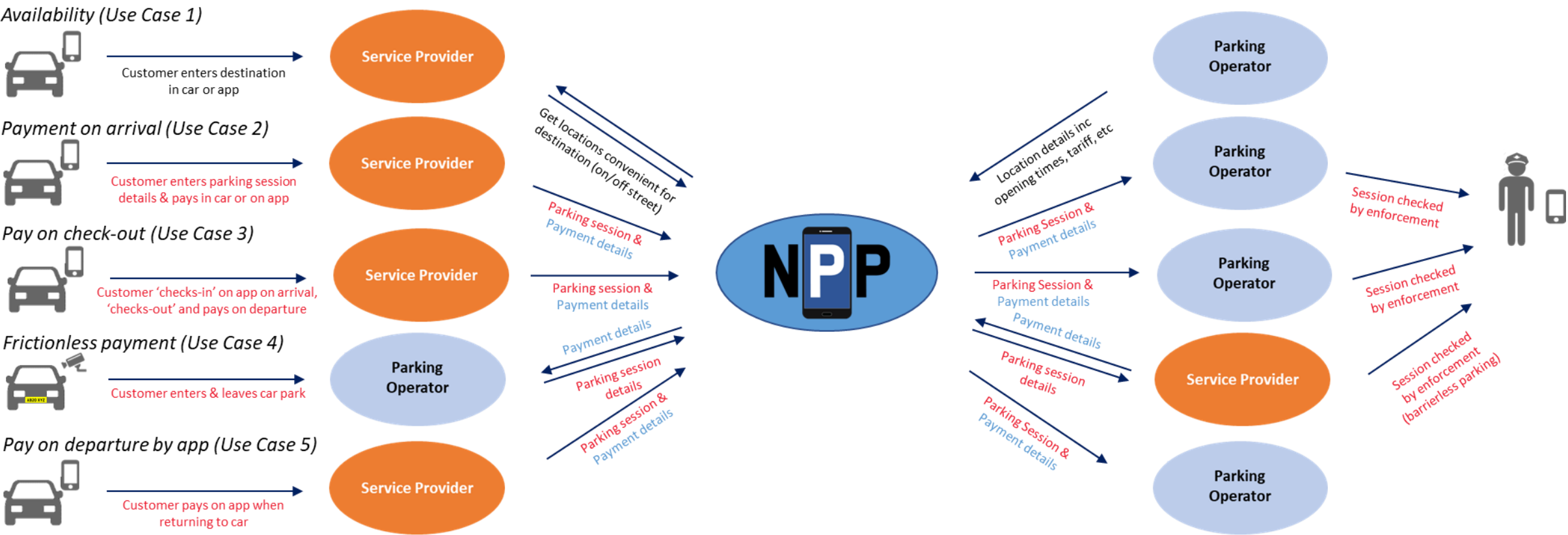
# The NPP Pilot



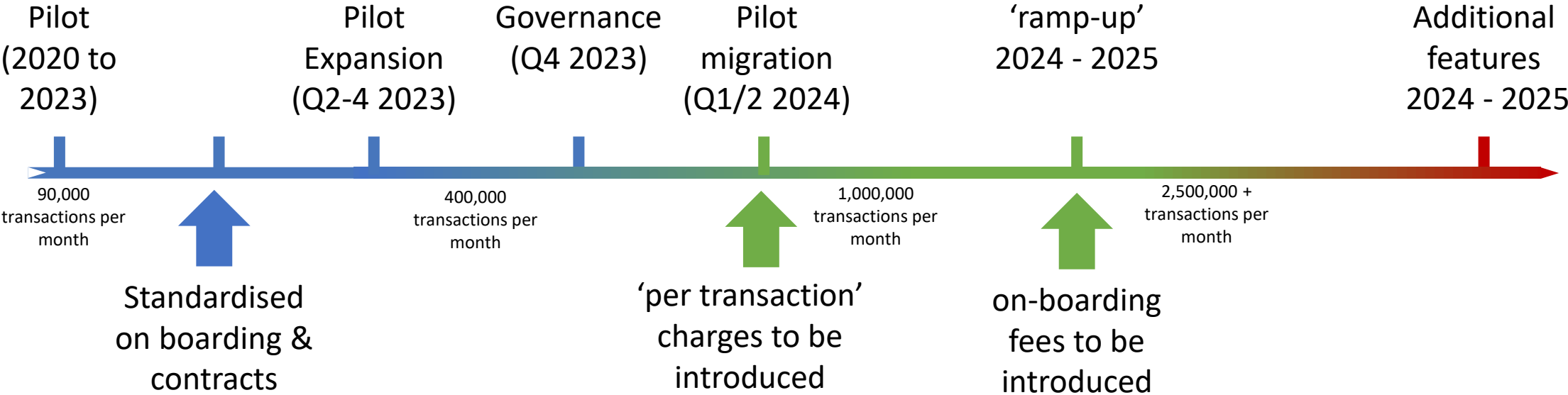
# NPP Pilot Use cases



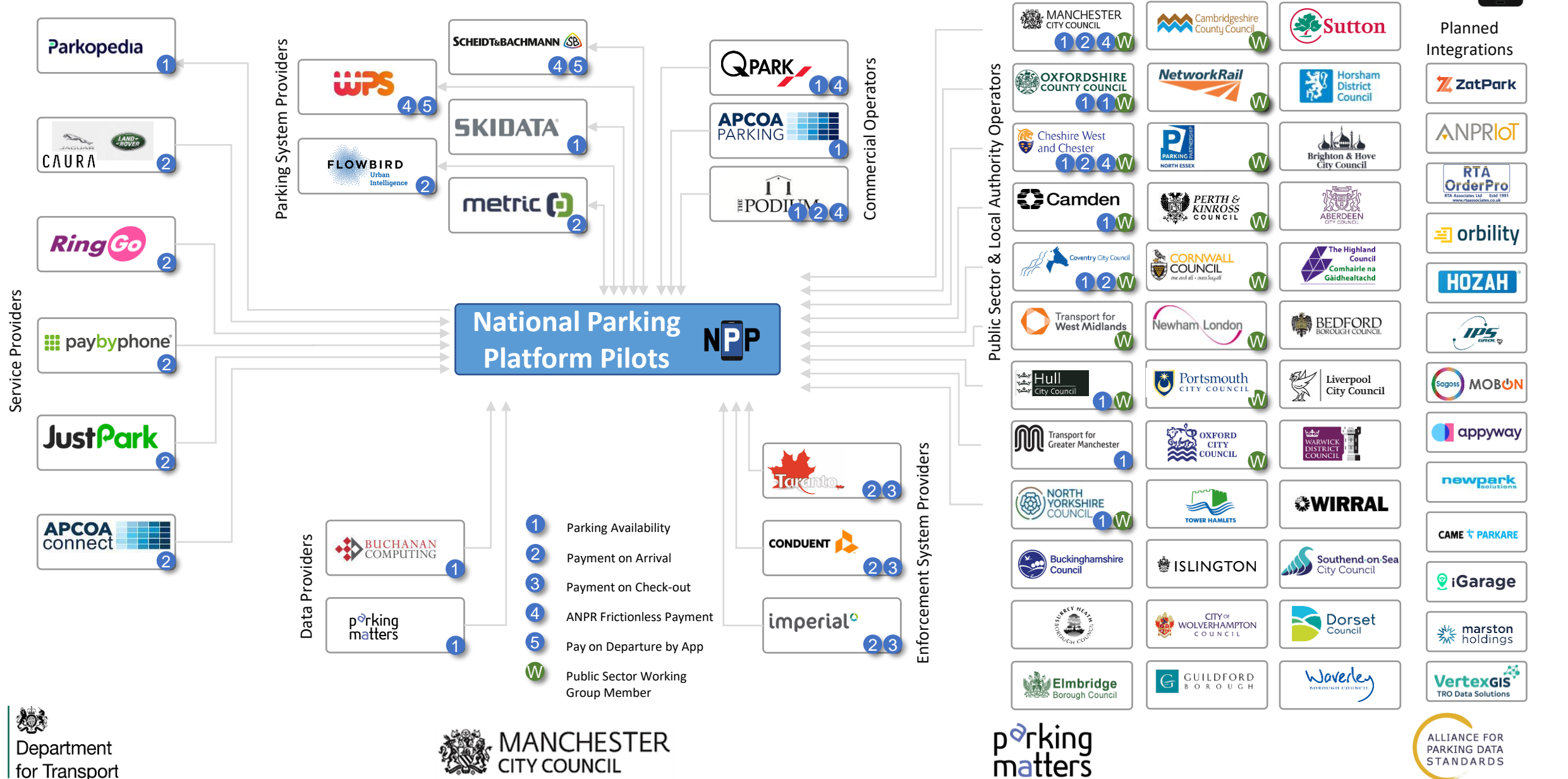
The NPP Pilots demonstrate the most common use cases. NPP pilots are supported by Manchester City Council. The use cases link the end customer and parking operator through a “Service Provider” (OEM platform or a customer account). Customers can access parking offered by any operator on the platform, paying through their Service Provider account.



# Delivering the NPP



# Partners & consultees



# The Full NPP



# What will the cost be for the full NPP?



- **A joining fee £15k\***  
(there is no joining fee for the pilot)
- **Support for integration £135 per hr**  
(pilot offers 2 hrs free)
- **An annual fee £20k\***
- **A transaction fee (Operators) 0.5p – 1.5p\***

*\* based on current draft business plan*

# How do we on board an MVP Service Provider?



## Agreement to Join

<b>Due diligence</b>	Financial, legal, commercial	Technical track record	Contractual eligibility
<b>Contracts</b>	Review Data Protection Agreement	Review Standard Contract	Sign Contracts
<b>Technical</b>	Assess Documentation & integration requirement	Access staging environment	Create compliant integration
<b>Configuration</b>	Import Locations & Tariffs (spreadsheet or API)	Check accuracy of tariff calculations	Create account for payments to NPP (operators for Pilot)
<b>Communication</b>	Internal comms plan	External comms plan	Provide logo (for Pilot)
<b>Testing</b>		Test locations & tariffs	End to end testing (from payment to HHC check)

# More details from our website...



The screenshot shows the National Parking Platform website. A callout bubble points to the address bar showing 'npp-uk.org'. Another callout bubble points to the NPP logo, which consists of the letters 'NPP' with a smartphone icon integrated into the letter 'P'. The website layout includes a blue header with the 'National Parking Platform' name and a search bar. A dark sidebar on the left contains a list of 13 items. The main content area has a breadcrumb trail 'Home / index.md', the NPP logo, the title 'National Parking Platform', and a section 'NPP – A Brief Introduction' with a paragraph of text and a numbered list of four points.

1. NPP Pilot Outline

2. NPP Pilot Phases

3. Pilot Use Cases

4. Sample Flows

5. NPP Pilot Evidence

6. NPP Commercials

7. NPP Reporting

8. NPP Session Viewer

9. Standard Location Codes

10. Reference Documents

11. Presentations

12. Information Pack Presentation

13. Join the NPP

Home / index.md

## National Parking Platform

### NPP – A Brief Introduction

Payment for parking is lagging behind developments in other markets and industries. Parking customers, both on-street and in car parks, face a fragmented market offering a wide variety of payment options making the simple act of parking and paying complex and confusing as options are dependent on where they want to park and which payment app they have (or don't have). The National Parking Platform (NPP) is a local authority owned and DfT funded pilot project that brings customer experience into the 21st century by facilitating data exchange, digital payments, and a new way of delivering better parking and mobility services. In essence, the NPP:

1. Provides a simplified and improved customer journey from start to finish for the end-customer
2. Creates a centralised and cost-efficient system supplying data to councils that can inform present and future strategic decisions
3. Enables a competitive, innovative market by allowing systems to communicate with each other via open data standards and interfaces (APDS/ISO TS 5206-1)
4. Is a publicly owned, not for profit, national facility that enables Parking Operators (public and private) to communicate digitally with Service Providers.