

Public

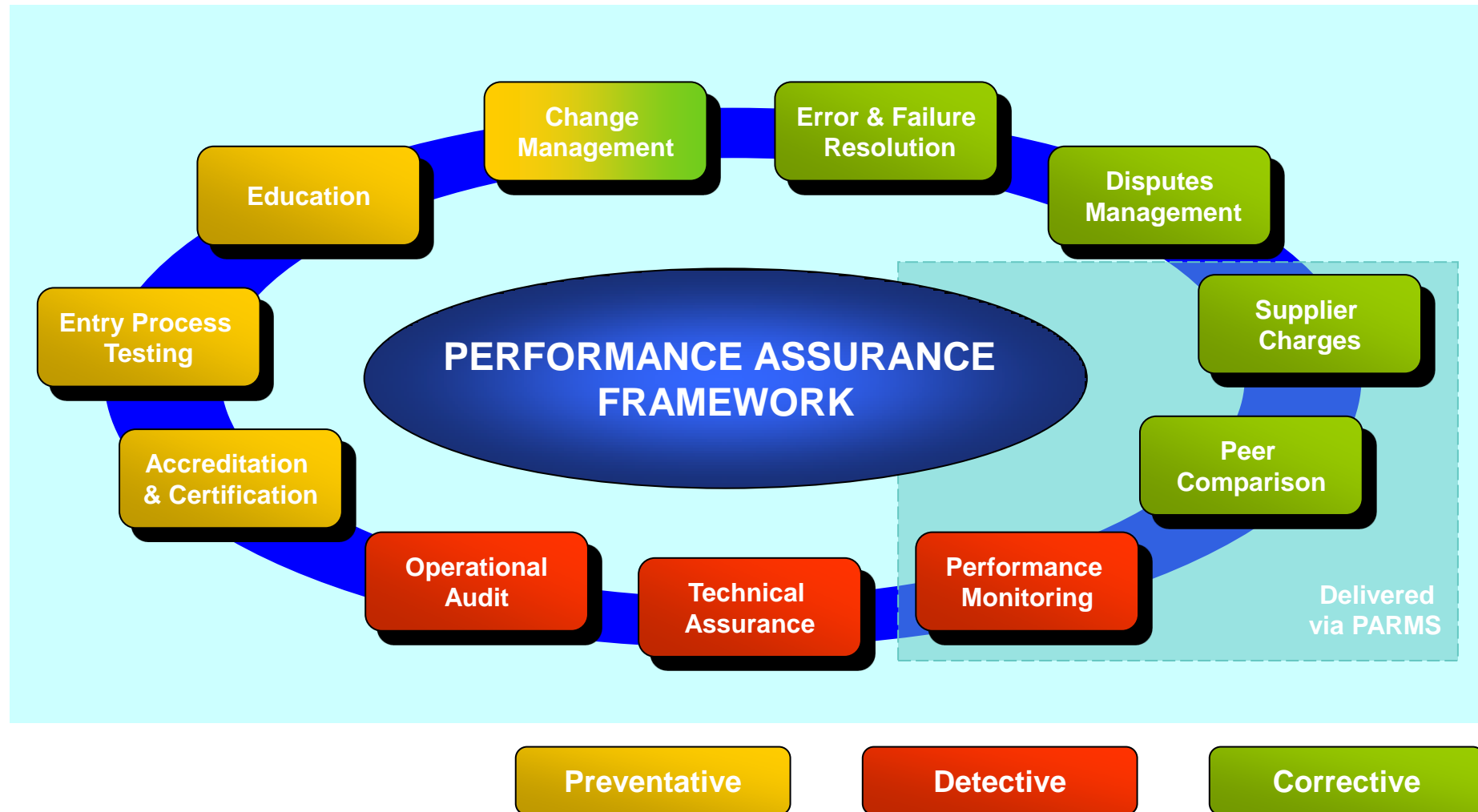
# PARMS, BUSRRs & Supplier Charges

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Kathryn Gay

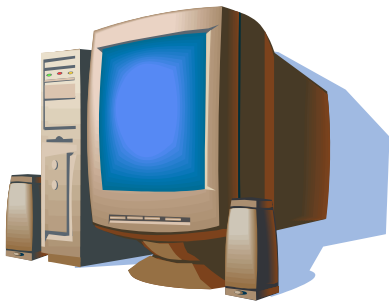


# Performance Assurance Framework



# PARMS

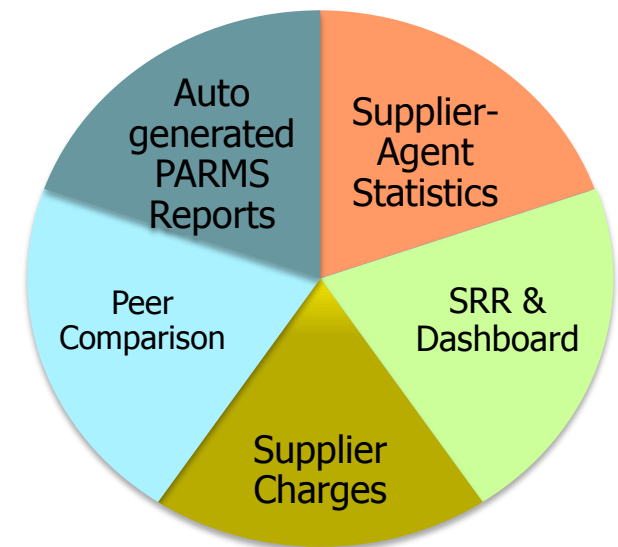
Data Providers



Database



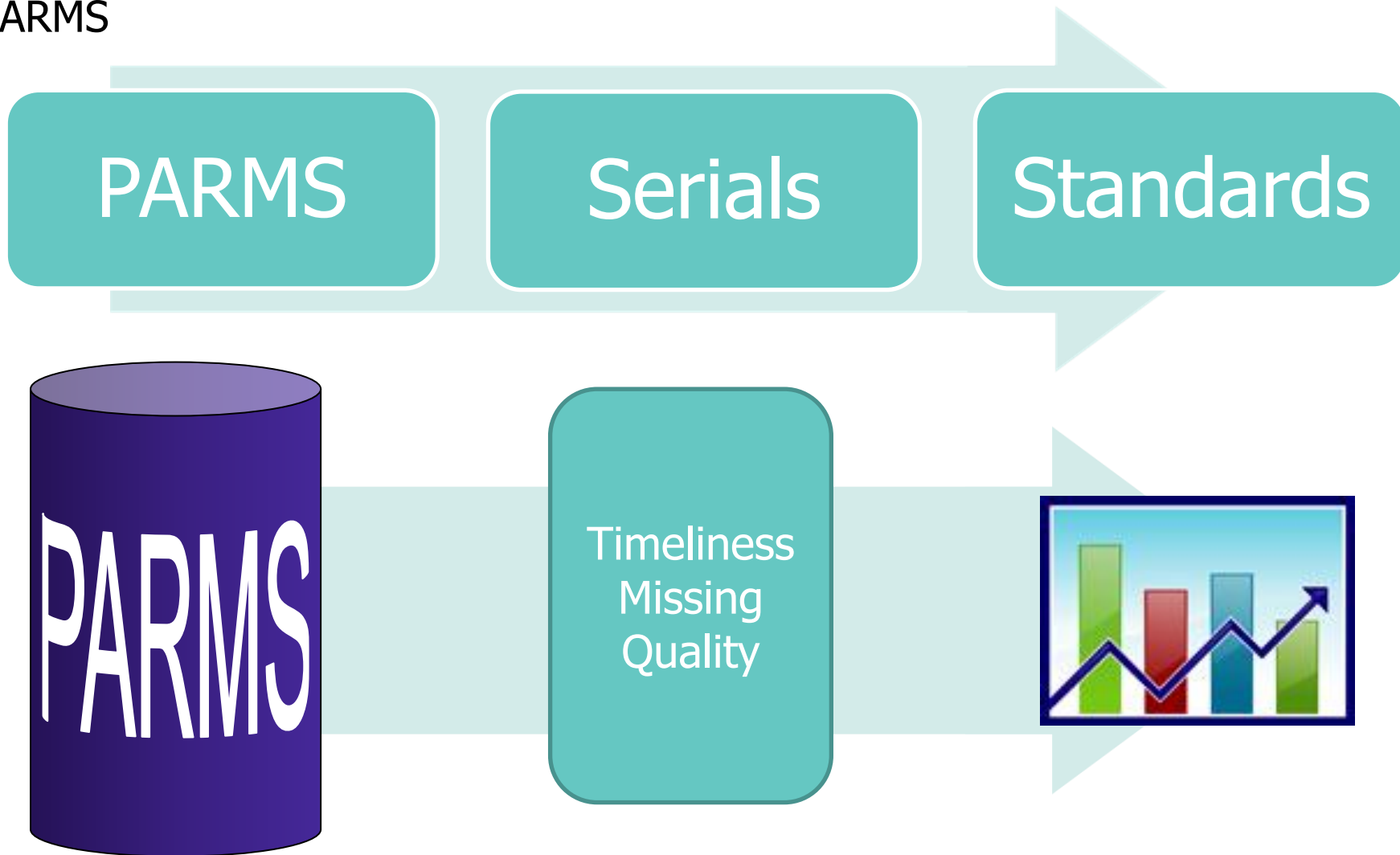
Reports



**P**erformance **A**ssurance **R**eporting and **M**onitoring **S**ystem

# PARMS vs. PARMS Serial

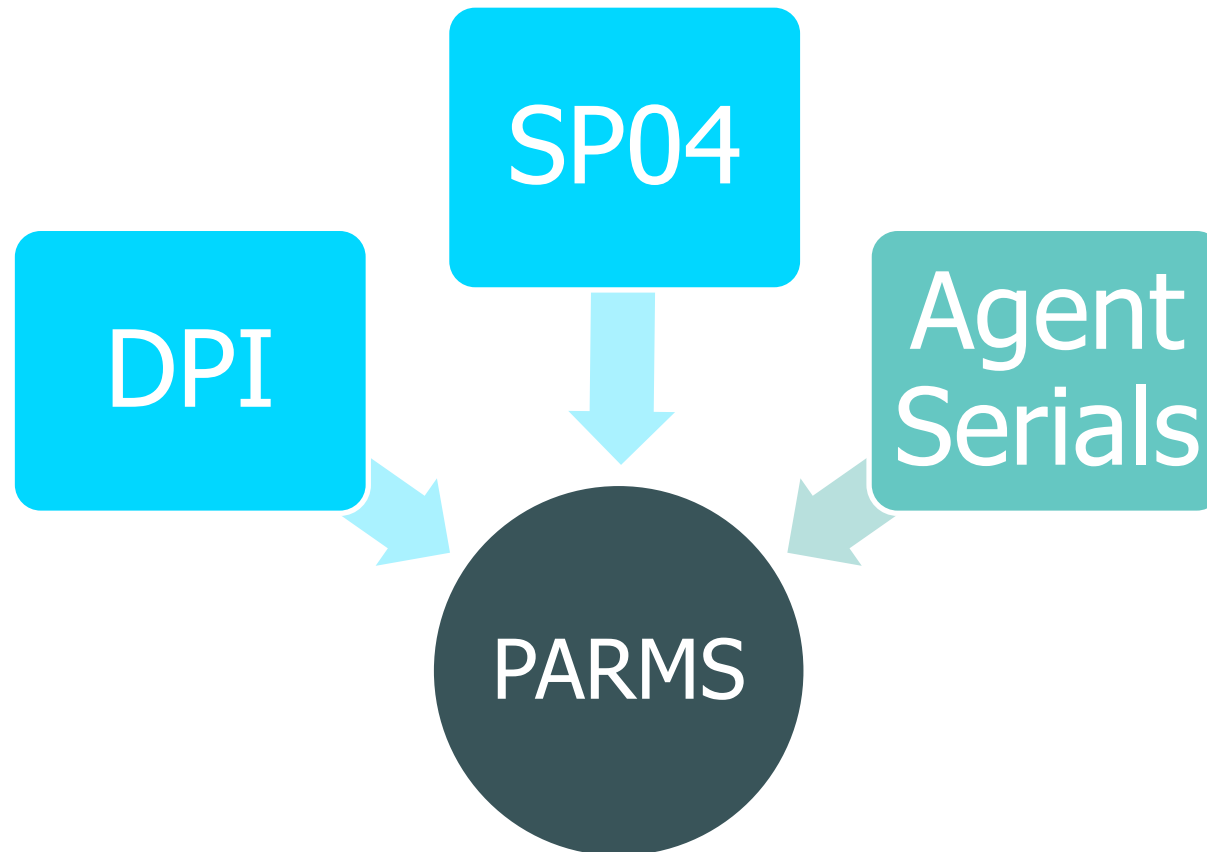
## ■ PARMS



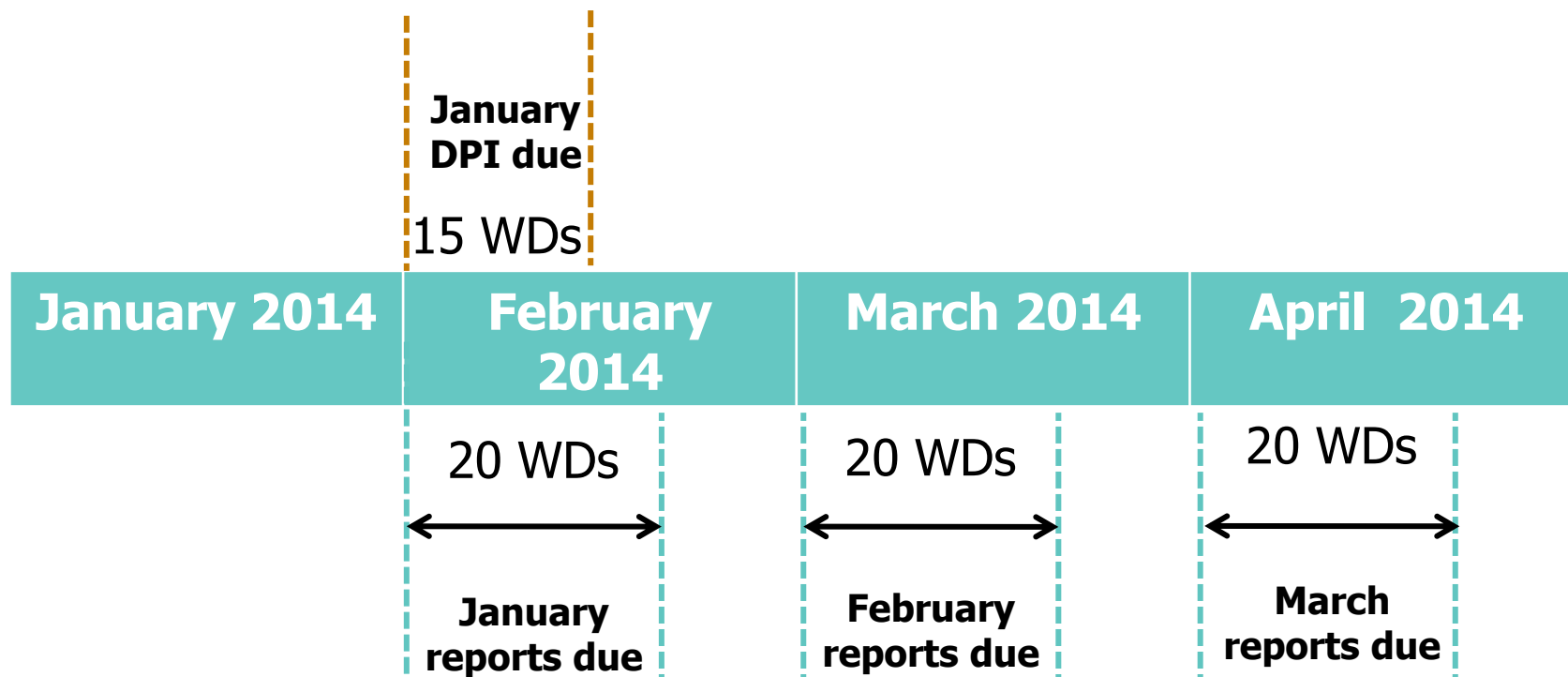
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## What do I need to submit?

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# What are Reporting Periods?



# How to construct a DPI

- Who are your agents?
- And in which GSP Groups?
- File format?
- Checksum?
- Which Agents submit which Serials?
- [parms@parms.bsccentralservices.com](mailto:parms@parms.bsccentralservices.com)

ID	Supplier	DA	DC	MOP
XXXX	✓			
ABCD			✓	
EFGH				✓
JKLM				✓
NPQR		✓		
STUV		✓	✓	
WXYZ		✓	✓	

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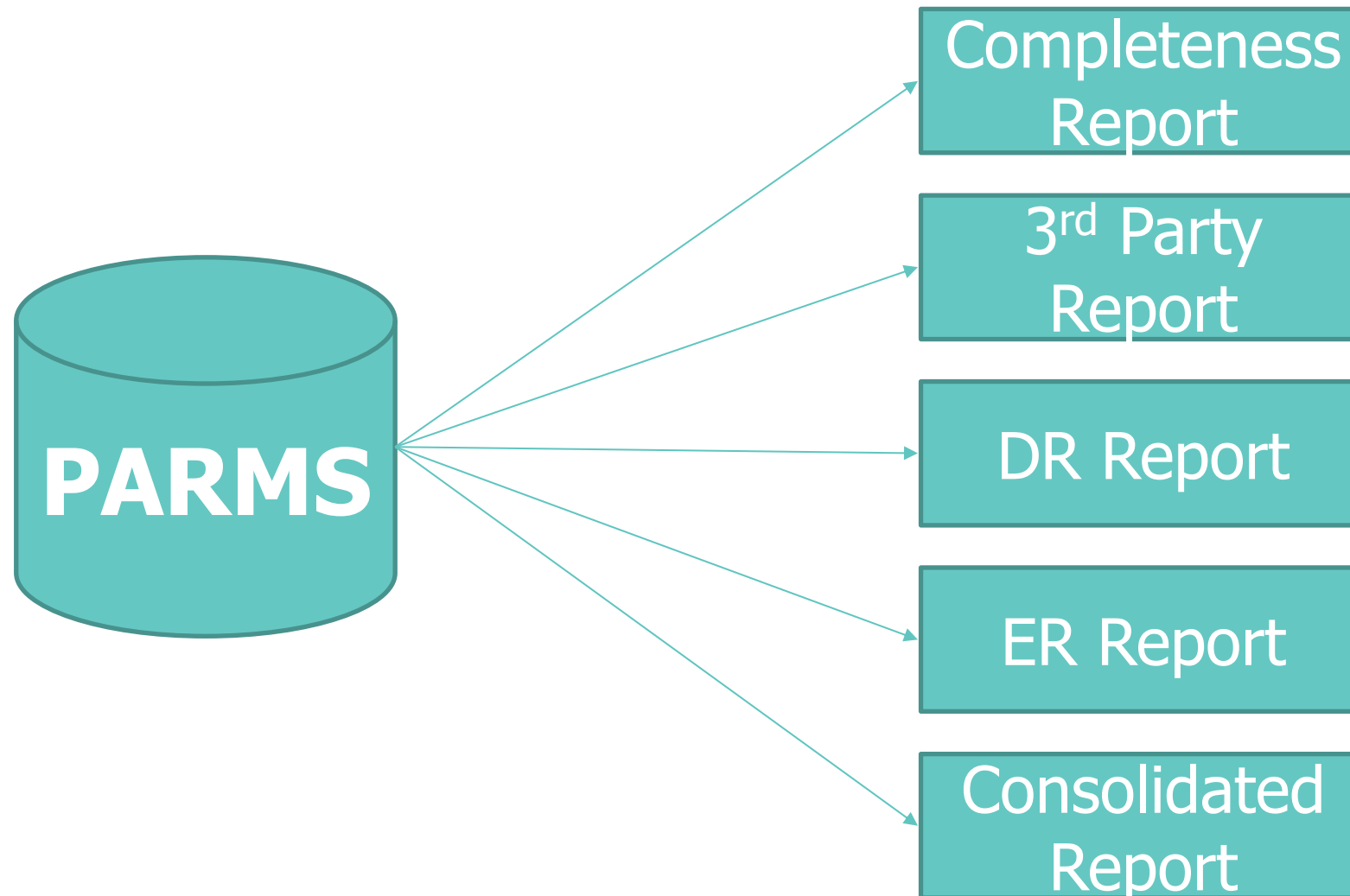
## How to construct a DPI

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- Identify which agents are appointed in which GSP Groups
- Identify which Serials each agent should submit
- Header:  
ZHD | P0135001 | X | CHIC | Z | POOL | 20120919104500
- Body:  
DPI | \_A | SP11 | COWS | M | 20120430  
DPI | \_A | SP14 | COWS | M | 20120430  
(... etc ... etc ...)
- Footer:  
ZPT | 35 | 9876543210



# What do I get from PARMS?

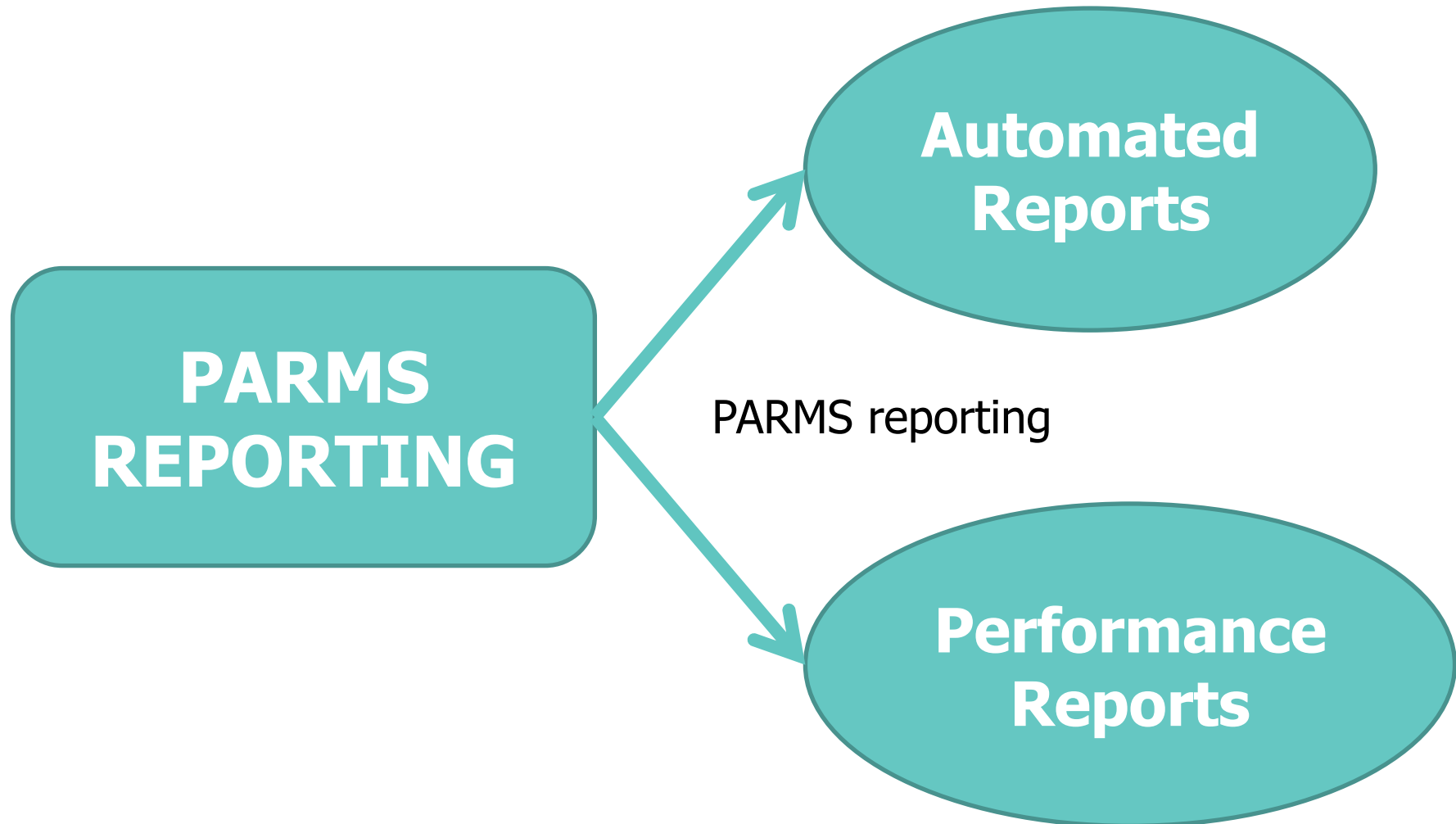


[donotreply@parms.bsccentralservices.com](mailto:donotreply@parms.bsccentralservices.com)



# PARMS reports

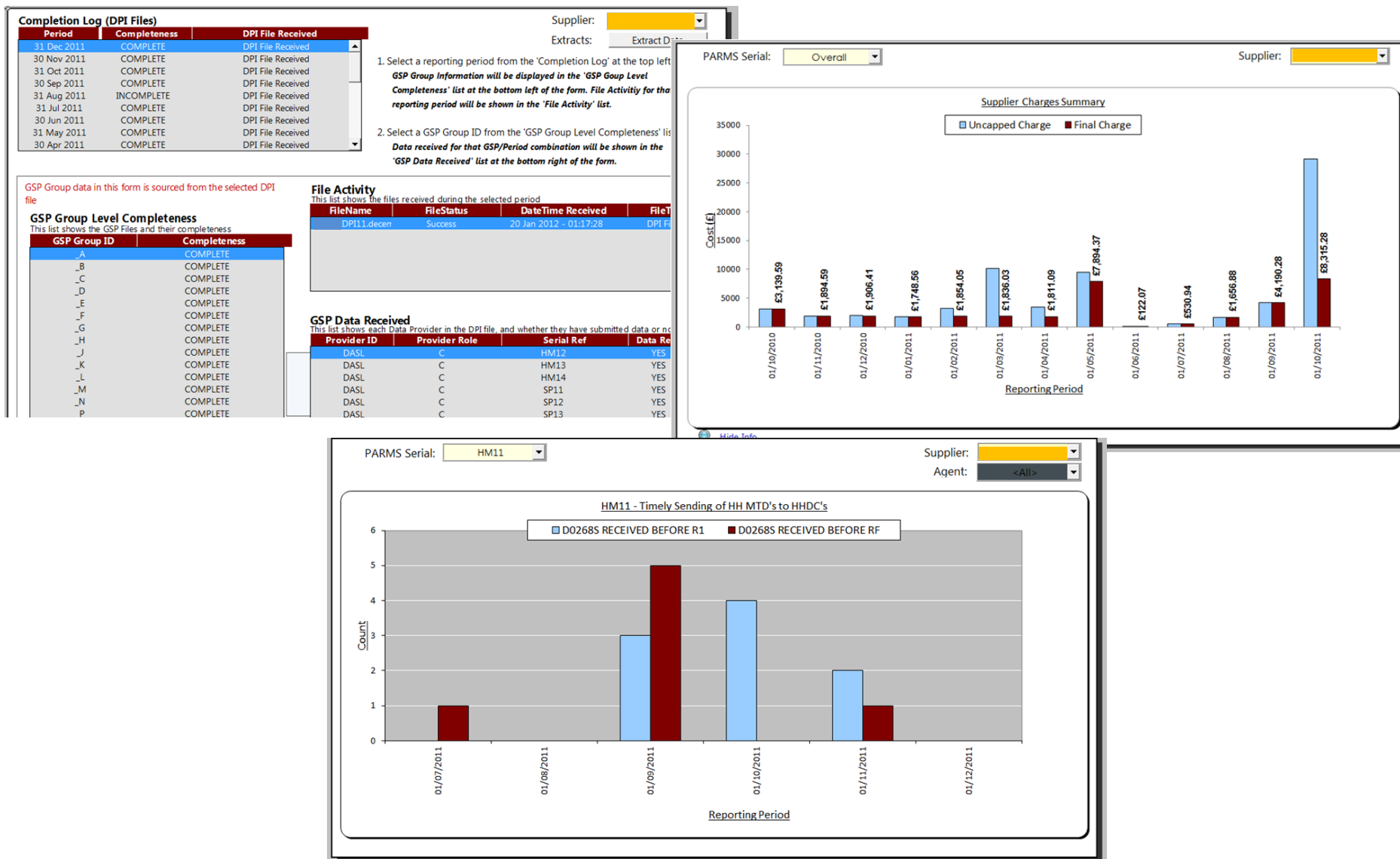
# PARMS reporting



# Serials to Suppliers

1	2	A	B	C	D	E	F	G	H	I	J	K	L
	11												
	12	SP12 - Timely Notification Of Changes Of The Data Aggregator via D0148											
	13	Supplier Performance											
	14	SUPPLIER	ARKETSECT	PERIOD	IVED_WITH	RECEIVED	CEIVED	BCEIVED	BCEIVED	BCEIVED	BCEIVED	BCEIVED	AFTER_RF
	15		H	31/10/2012	0	0	0	0	0	0	0	0	
	16		N	31/10/2012	2724	79	75	4	0	0	0	0	
	17	Agent Performance											
	18	SUPPLIER	ARKETSECT	PERIOD	IVED_WITH	RECEIVED	CEIVED	BCEIVED	BCEIVED	BCEIVED	BCEIVED	BCEIVED	FROM_WHO
	19		H	31/10/2012	0	0	0	0	0	0	0	0	
	20		N	31/10/2012	0	0	0	0	0	0	0	0	
	21		N	31/10/2012	0	0	0	0	0	0	0	0	
	22		N	31/10/2012	66	3	3	0	0	0	0	0	
	23		N	31/10/2012	0	0	0	0	0	0	0	0	
	24		N	31/10/2012	0	0	0	0	0	0	0	0	
	25		N	31/10/2012	0	0	0	0	0	0	0	0	
	26		N	31/10/2012	2658	76	72	4	0	0	0	0	
	27		N	31/10/2012	0	0	0	0	0	0	0	0	
	28		N	31/10/2012	0	0	0	0	0	0	0	0	
	29	Industry Performance											
	30	ARKETSECT	PERIOD	EIVED_WITH	RECEIVED	CEIVED	BCEIVED	BCEIVED	BCEIVED	BCEIVED	BCEIVED	BCEIVED	AFTER_RF
	31	H	31/10/2012	7159	2390	2061	232	47	19	10	21		
	32	N	31/10/2012	369949	28741	25762	1142	1248	157	190	239		
	33												
	34	SP13 - Timely Notification Of Changes Of The Meter Operator Agent via D0148											
	35	Supplier Performance											
	36	SUPPLIER	ARKETSECT	PERIOD	IVED_WITH	RECEIVED	CEIVED	BCEIVED	BCEIVED	BCEIVED	BCEIVED	BCEIVED	AFTER_RF
	37		H	31/10/2012	0	0	0	0	0	0	0	0	
	38		N	31/10/2012	4050	1427	1397	29	0	1	0	0	
	39	Agent Performance											
	40	SUPPLIER	ARKETSECT	PERIOD	IVED_WITH	RECEIVED	CEIVED	BCEIVED	BCEIVED	BCEIVED	BCEIVED	BCEIVED	FROM_WHO
	41		H	31/10/2012	0	0	0	0	0	0	0	0	
	42		N	31/10/2012	0	0	0	0	0	0	0	0	

# Serials to Suppliers (2)



PARMS Serial: Overall

Supplier: Overall

**Supplier Charges Summary**

Reporting Period	Uncapped Charge (£)	Final Charge (£)
01/10/2010	£3,139.59	
01/11/2010	£1,894.59	
01/12/2010	£1,906.41	
01/01/2011	£1,748.56	
01/02/2011	£1,854.05	
01/03/2011	£1,336.03	
01/04/2011	£1,811.09	
01/05/2011	£7,894.37	
01/06/2011	£122.07	
01/07/2011	£530.94	
01/08/2011	£1,656.88	
01/09/2011	£4,190.28	
01/10/2011	£8,315.28	

PARMS Serial: HM11

Supplier: Overall

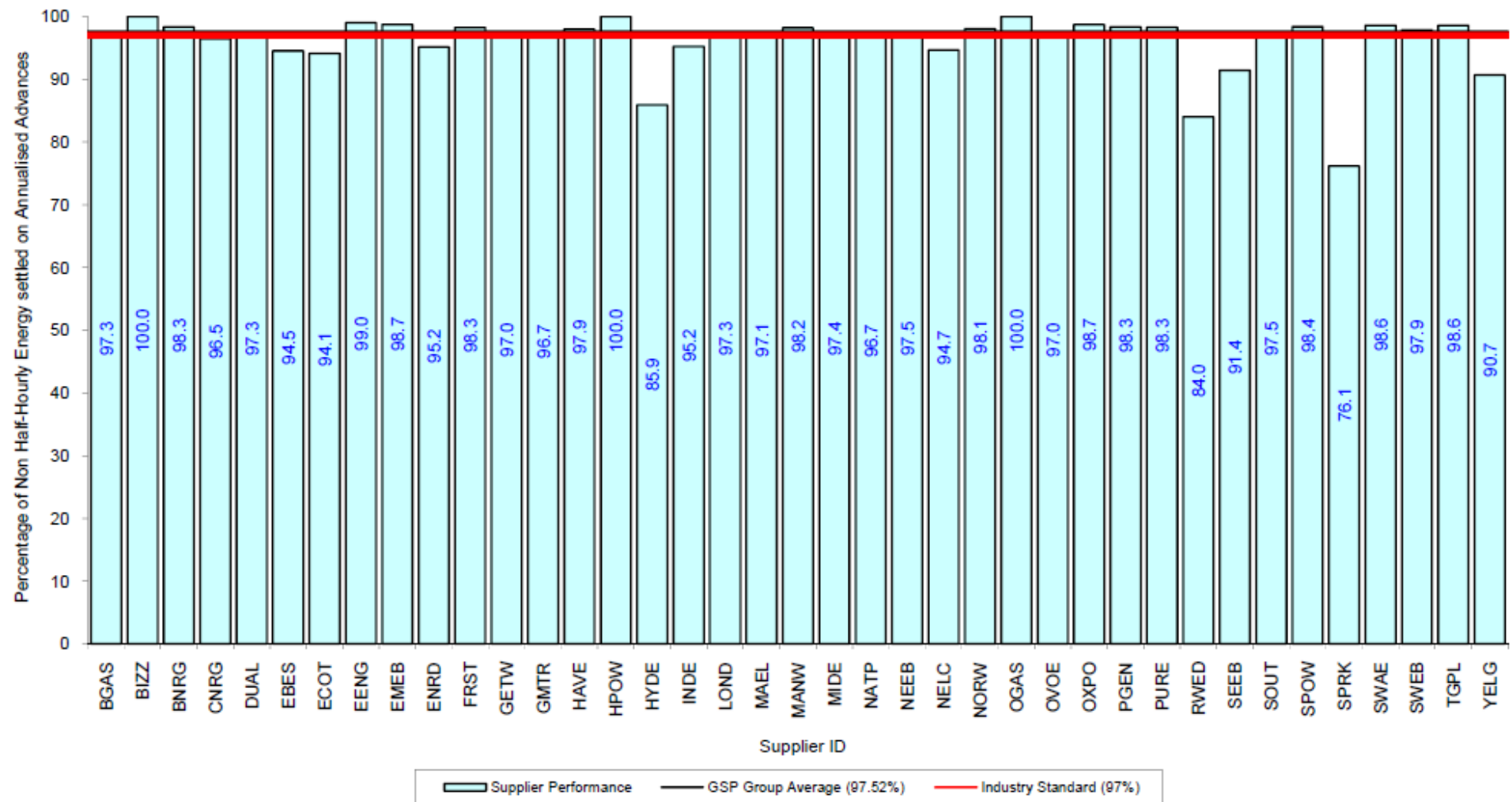
Agent: <All>

**HM11 - Timely Sending of HH MTD's to HHDC's**

Reporting Period	D0268S RECEIVED BEFORE R1	D0268S RECEIVED BEFORE RF
01/07/2011		1
01/08/2011		
01/09/2011	3	5
01/10/2011	4	
01/11/2011	2	1
01/12/2011		

# Peer Comparison example

Serial SP08a. GSP Group: Merseyside and North Wales (\_D). Reporting Period 1 to 30 November 2011 . Reconciliation Run: RF





# PARMS Serials

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## Working Day and use of time stamping of the flow

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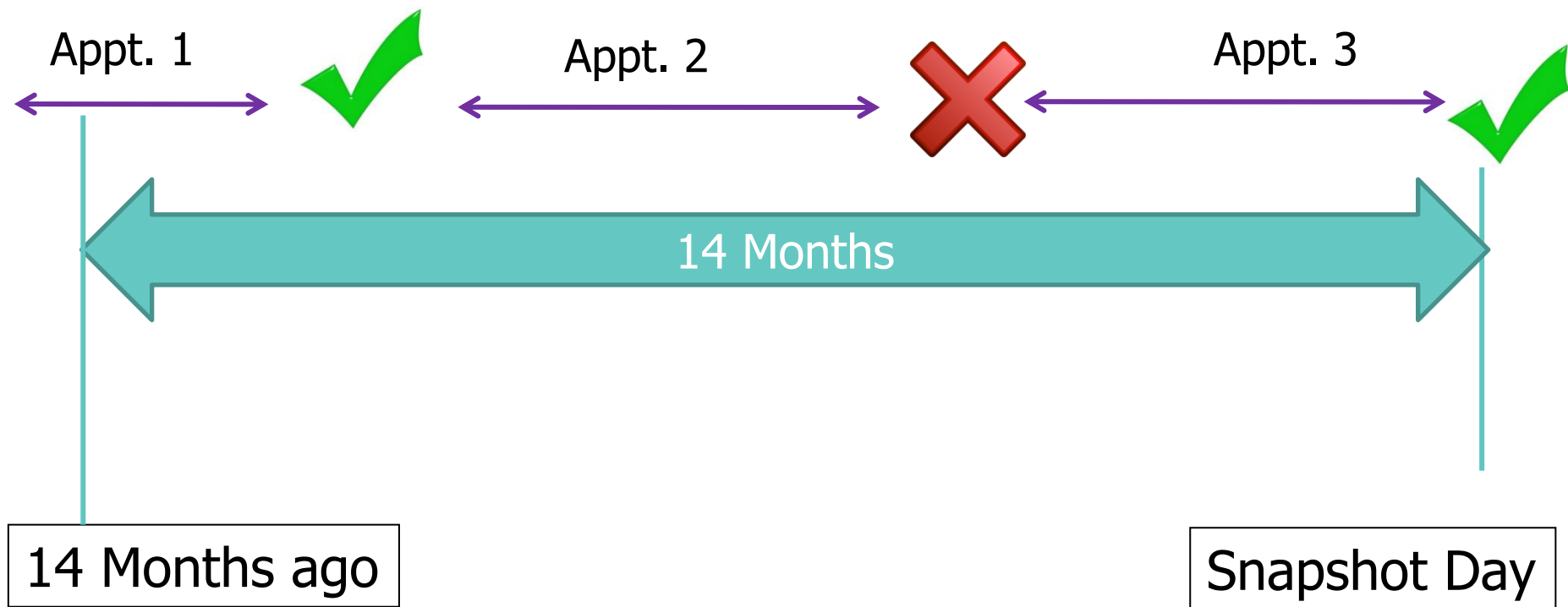
- The Effective From Date within the flow
- The time stamp of the flow
- Working Days are calculated from the Effective From Date in the flow
- The Effective From Date should be counted as one Working Day (if a flow is received on the same date as the EFD, this should be reported as received 1WD late)
- A Working Day is Monday – Friday, 9:00 to 17:00



# What is a Snapshot Day?

## ■ Missing Serials

—e.g. NM12



Identify appointments = 3 appointments  
Identify missing data flows = 1 missing

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## Serials looking at 'Missing' Data

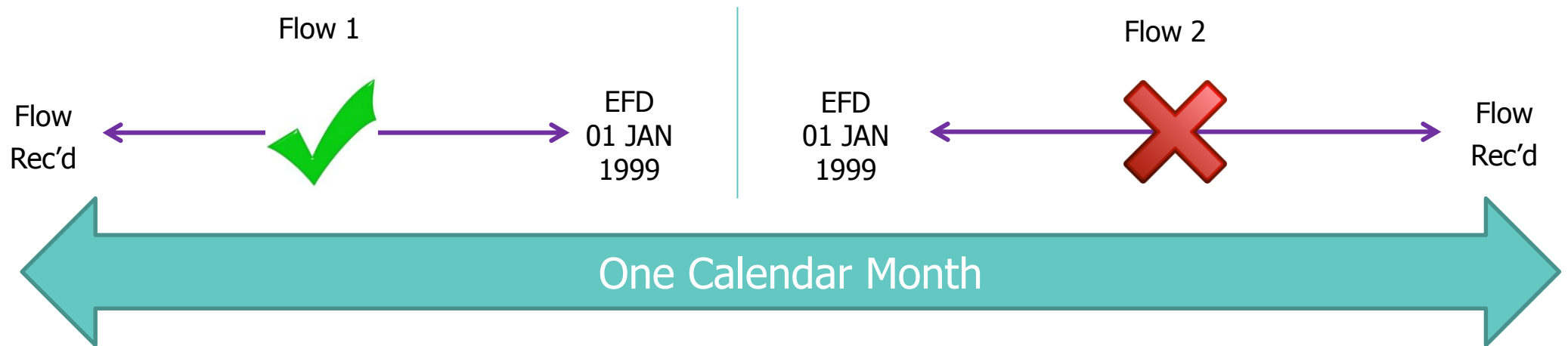
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- Uses the Snapshot Day concept
- Look back 14 months and identify ALL appointments during that time
- The identify if the relevant flow has been received
- Reported by reconciliation runs
- SP15, HM12, NM12, NC11

# What is a Reporting Period?

## ■ Late Serials

– e.g. NM11



- One Calendar Month: The PARMS Reporting Month
- Count total number of flows received
- Query Effective From Date against Date – Time received

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## Serials looking at 'Timeliness'

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- Look at flows received within the reporting period
- Examine the date/time received compared to the EFD of the flow
- Determine which are post EFD
- Report by reconciliation run
- SP11, SP12, SP13, SP14, HM11, HM14, NM11

## Serials looking at 'Quality'

- Just HM13 – No Non Half-Hourly equivalent
- Looks at resubmissions of Meter Technical Details

HM13 Standards to be submitted by HHDCs	
<b>Standard 1</b>	Total number of D0268s received within the reporting period
<b>Standard 2</b>	Total number of D0268s that are resubmissions with the same EFD and with a key data field change
<b>Standard 3</b>	Number of Metering Systems affected by re-sent MSMTD



**BUSRRs**

**ELEXON**

- PARMS Serials feed into 3 Top Settlement Risks:
  - HM13 into SR0022 – Quality of Half Hourly Meter Technical Details (MTDs)
  - NM12 into SR0024 – Meter Operators have not provided MTDs to Data Collectors
  - HM12 into SR0025 – Meter Operators have not provided MTDs to Data Collectors
  
- Review criteria – make sure it fits PAB's requirements and provides realistic targets

## SR0074

- The risk that NHHDCs do not collect and/or enter valid Meter readings resulting in old/default data being entered into Settlement.

Measure	RED	AMBER	GREEN
At Supplier settles at least 97% of its energy on AAs at RF.	Exceed the 500MWh threshold of EAC Energy settled below 97% at an aggregated level across all GSP Groups at RF for the month	Settle below 97% on AAs at RF overall at an aggregated level across all GSP Groups, but has not exceeded the 500 MWh threshold for the month	Settle above 97% on AAs at RF at an aggregated level across all GSP Groups for the month

- An energy threshold of 500MWh below the 97% standard is in place per month for those Suppliers that have a negative energy volume that month. This enables ELEXON to separate those that are the biggest risk to the overall performance of the industry.



## SR0072

- The BUSRR for Settlement Risk SR0072 assess the risk that non Half Hourly Data Collectors (NHHDCs) process incorrect Meter readings, resulting in erroneous data being entered into Settlement.
- Only instances which have been in the Large EAC/AA System for more than a month and inside a 15-month window in Settlement is included when calculating the Supplier's level of error.
- ELEXON have determined that 165,000MWh (330,000MW is an acceptable level of error in the market. This threshold volume is smeared across NHH Suppliers dependent upon Market Share.
- For example a Supplier with a 20% market share would have a threshold of 33,000MWh (\*165,000MWh x 0.2)
- Suppliers with a NHH energy share less than 2% are given a minimum threshold of 3,300MWh.

Measure	RED	AMBER	GREEN
A Supplier remains below its threshold of acceptable error	Above set threshold	Not used	Below set threshold

# SR0081

- SR0081 assess the risk that HHDCs do not enter valid Meter readings resulting in old/default data entering Settlement.
- To do this we obtain data from the Supplier Volume Administration Agent (SVAA) which provides ELEXON with the energy volumes settled on Actuals at SF.
- An energy threshold of 500MWh below the 99% standard is in place per month for those Suppliers that have a negative energy volume that month. This enables ELEXON to separate those that are the biggest risk to the overall performance of the industry.

Measure	RED	AMBER	GREEN
At Supplier settles at least 99% of its energy on Actual Energy at SF.	Settle below 99% on Actuals at SF overall at an aggregated level across all GSP Groups and exceed the 500MWh threshold of Estimated Energy settled below 99% for the month	Settle below 99% on Actuals at SF overall at an aggregated level across all GSP Groups, but has not exceeded the 500 MWh threshold for the month	Settle above 99% on Actuals at SF at an aggregated level across all GSP Groups for the month

## SR0024

- SR0024 – The risk that NHHMOAs do not provide Meter Technical Details to the correct NHHDCs resulting in Meter readings not being collected.

Measure	RED	AMBER	GREEN
Over 99.5% of MTDs have been sent for all registrations after 17 Working Days onwards and less than 25% of those that are missing are for registrations that have been in effect for more than 85 Working days (before R3).	The percentage of total missing D0150s (before R1 to after RF) is greater than 0.5% of NHH registrations within the snapshot window AND the percentage of D0150s missing before R3 to after RF is greater than 25%, BUSRR	The percentage of total missing D0150s (before R1 to after RF) is greater than 0.5% of NHH registrations within the snapshot window AND the percentage of D0150s missing before R3 to after RF is less than 25% <b>OR</b> if the percentage of total missing D0150s (before R1 to After RF) is less than 0.5% AND the percentage of D0150s missing before R3 to after RF is greater than 25%	The percentage of total missing D0150s (before R1 to after RF) is less than 0.5% of NHH registrations within the snapshot window AND the percentage of D0150s missing before R3 to after RF is less than 25%

## SR0025

- SR0025 – The risk that HHMOAs do not provide Meter Technical Details to the correct HHDCs resulting in Meter readings not being collected

Measure	RED	AMBER	GREEN
Over 99.5% of MTDs have been sent for all registrations after 17 Working Days onwards and none of those that are missing are for registrations that have been in effect for more than 85 Working days (before R3).	The percentage of total missing D0268s ("before R1" to "after RF") is greater than 0.5% HH Registrations within the snapshot window AND the percentage of D0268s missing "before R3" to "after RF" is greater than 0.	The percentage of total missing D0268s ("before R1" to "after RF") is greater than 0.5% HH registrations within the snapshot window AND the percentage of D0268s missing "Before R3" to "After RF" is less than 0% <b>OR</b> If the percentage of total missing D0268s ("Before R1" to "After RF") is less than 0.5% AND the percentage of D0268s Missing Before R3 to After RF is greater than 0%	The percentage of total missing D0268s (before R1 to after RF) is less than 0.5% HH registrations within the snapshot window <b>AND</b> none of those missing occur " before R3" to "after RF"

## SR0022

- SR0022 – The risk that HHMOAs do not provide correct Meter Technical Details to the HHDCs resulting in Meter readings being misinterpreted or not collected.
- Measures the number of times a D0268 was sent with the same Metering System Meter Technical Detail (MSMTD) Effective from Date (EFD) where there has been a change to a key field in the D0268

Measure	RED	AMBER	GREEN
Percentage accuracy of HH MTDs is greater than 99%	Score is <95%	Score is >95% and <99%	Score is >99%

## SR0028

- SR0028 – The risk that HHMOAs make changes to the Metering System and do not inform the HHDCs resulting in Meter readings being misinterpreted or not collected.
- The report we use to assess performance against SR0028 and calculate the associated BUSRRs shows the proportion of non-compliant visits (because the MTDs are inaccurate as identified by the TAA only) of total visits made by the TAA. It is important to note that a single inspection visit can produce more than one type of non-compliance.

Measure	RED	AMBER	GREEN
Meter Technical Details related non-compliances raised by the TAA across a rolling 12 month period	% of site visits with MTD non compliances $\geq 10\%$	<10% site visits with MTD non compliances but $\geq 5\%$	<5% site visits with MTD non-compliances

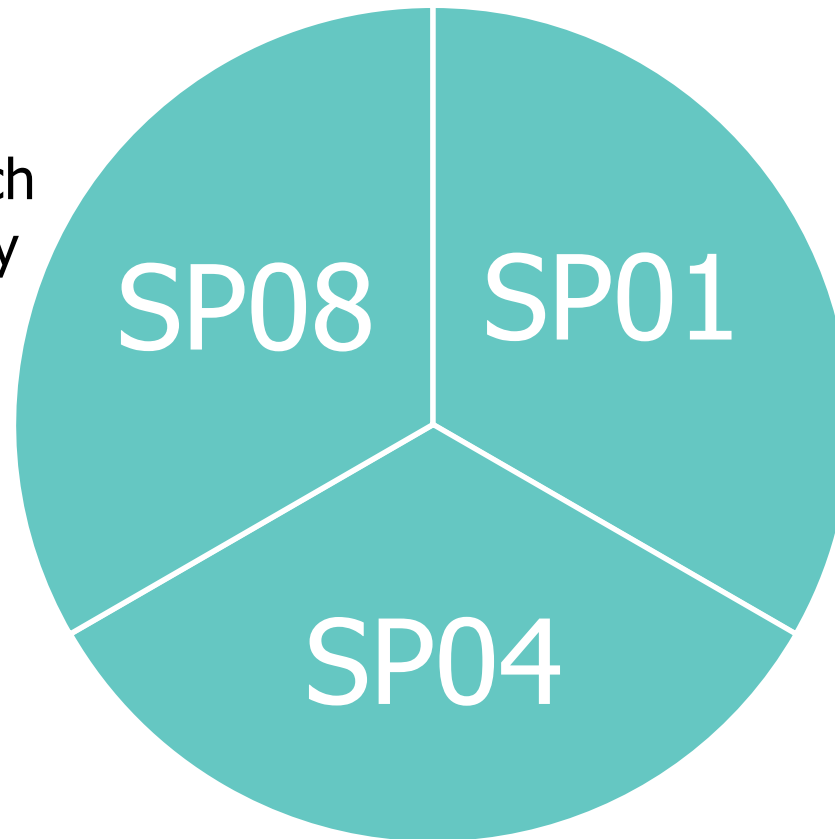


# Supplier Charges

# What makes up Supplier Charges?

- Supplier Charges are incurred based on performance against 3 Serials:
- Reviewed every year in line with RPI

Charge for each MWh of energy under the standard:  
e.g. SP08a



Charge per day per incomplete GSP Group

Charge for each day without a mandatory HH Meter



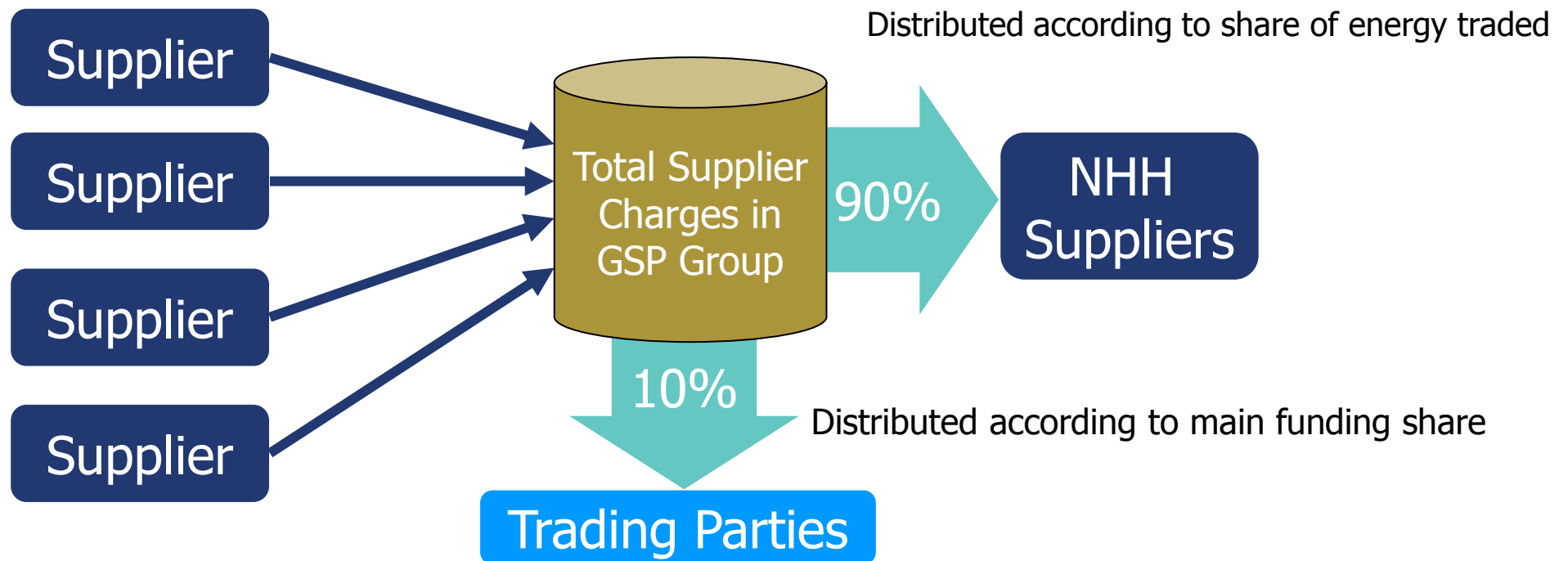
# Capping

- Actual Charges are capped
- The Cap is based on the Market Share by Energy Volume, per GSP Group



# Redistribution

- Collection and re-distribution takes place on a GSP Group by GSP Group basis



# How do I avoid Supplier Charges?

- Ensure your DPI files include lines for all Serials, in operation for the relevant Reporting Period, expected to be reported by you and your Agents
- Liaise with your Supplier Agents to ensure that they make Serial submissions on time and accurately



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## Forms and Contacts

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- PARMS Submissions:
  - BSCP 533/01
  
- Supplier Charge Reports:
  - BSCP 536/11
  
- Peer Comparison:
  - BSCP 533/06
  
- Serials To Suppliers:
  - [PAA@ellexon.co.uk](mailto:PAA@ellexon.co.uk)

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## Our contact details

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